

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (10)

Number of teachers using ICT (LMS, e-Resources)	Number of teachers on roll	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
68	92	LCD Projector, Internet Facility, VSAT GATE Virtual Classroom	12	Nil	NPTEL Videos, E-Journal, Dedicated Web Portals, E-Library, Swayam Prabha Channel.
Documents: List of teachers					

Formula:

$$\frac{68}{92} \times 100 = 73.91$$

File Description:

- Provide link for webpage describing the “LMS/ Academic management system”



Sr. No.	Course Name	Name of the teacher	Designation
1.	Computer Engineering	Mr. S M Rokade	Asso. Prof.
2.		Mr.K.N.Shedge	Asstt.Prof.
3.		Mr.G.J.Gagare	Asstt.Prof.
4.		Ms.P.S.Tambe	Asstt.Prof.
5.		Mr.D.S.Thosar	Asstt.Prof.
6.		Mr.U.R.Patole	Asstt.Prof.
7.		Mr.R.S.Bhalerao	Asstt.Prof.
8.		Ms.T.P.Aher	Asstt.Prof.
9.		Mr.R.B.Bhosale	Asstt.Prof.
10.		Ms.P.S.Aher	Asstt.Prof.
11.		Mr.R.M.Dhokane	Asstt.Prof.
12.		Mr.U.D.Butkar	Asstt.Prof.
13.		Mr.P.M.Tambe	Asstt.Prof.
14.		Mr.C.G.Puri	Asstt.Prof.
15.		Ms.P.A.Chavan	Asstt.Prof.
16.		Mr.N.B.Vikhe	Asstt.Prof.
17.	Information Technology	Mr.P.V.Kashid	Asstt.Prof.
18.		Ms.S.S.Patil	Asstt.Prof.
19.		Ms.J.P.Shinde	Asstt.Prof.
20.		Ms.S.G.Jachak	Asstt.Prof.
21.		Ms.A.R.Ghuge	Asstt.Prof.
22.	Electronics & Tele Communication	Mr.U.V.Patil	Asso. Prof.
23.		Ms .P.N.Khairnar	Asstt.Prof.
24.		Ms. S.S.Somwanshi	Asstt.Prof.
25.		Ms. G.A.Varade	Asstt.Prof.
26.		Ms. T.K.Wabale	Asstt.Prof.
27.		Ms. A.A.Hatkar	Asstt.Prof.
28.	Mechanical Engineering	Mr.V.L.Kadlag	Asso. Prof.
29.		Mr.R.S.Shelke	Asstt.Prof.
30.		Mr.S.P.Kerhalkar	Asstt.Prof.
31.		Mr.D.M.Deshmukh	Asstt.Prof.
32.		Mr.A.P.Sonwane	Asstt.Prof.
33.		Ms.Y.M.Patil	Asstt.Prof.
34.		Ms.V.S.Thete	Asstt.Prof.
35.		Mr.S.P.Valhekar	Asstt.Prof.
36.		Mr.V.K.Khemner	Asstt.Prof.
37.		Mr.S.P.Govind	Asstt.Prof.
38.		Mr.B.S.Vikhe	Asstt.Prof.
39.		Mr.S.K.Vitnor	Asstt.Prof.
40.		Mr.R.T.Bhole	Asstt.Prof.
41.		Mr.A.S.Jejurkar	Asstt.Prof.
42.		Mr.S.S.Wani	Asstt.Prof.
43.		Mr.M.P.Kolhe	Asstt.Prof.
44.		Mr.G.M.Wani	Asstt.Prof.
45.		Mr.R.H.Hodgar	Asstt.Prof.



46.		Mr.S.B.Shejul	Asstt.Prof.
47.		Dr.A.D.Dongare	Asstt.Prof.
48.		Mr.R.S.Ostwal	Asstt.Prof.
49.		Mr. S C Mande	Asstt.Prof.
50.		Mr.A.D.Shirsath	Asstt.Prof.
51.		Mr.A.G.Tambe	Asstt.Prof.
52.	Chemical Engineering	Dr.B.L.Pangarkar	
53.		Dr.S.B.Parjane	Asso. Prof.
54.		Mr.R.M.Abhang	Asso. Prof.
55.		Dr.G.B.Shinde	Asso. Prof.
56.		Dr.V.D.Talnikar	Asso. Prof.
57.		Mr.G.Mahendra	Asso. Prof.
58.		Mr.D.K.Chandre	Asstt.Prof.
59.		Mr.R.D.Patil	Asstt.Prof.
60.		Ms.N.S.Patil	Asstt.Prof.
61.	Electrical Engineering	Mr. N B Shaikh	Asstt.Prof.
62.		Mr. K P Varade	Asstt.Prof.
63.		Ms. P B Zurale	Asstt.Prof.
64.		Ms. M V Dawange	Asstt.Prof.
65.		Ms. A K Singh	Asstt.Prof.
66.		Mr. V K Sahu	Asstt.Prof.
67.		Mr. V V Autade	Asstt.Prof.
68.		Mr. A M Chakor	Asstt.Prof.



Subscribed E- Journal for the Year -1/1/2018to 31/12/2018

Details of Membership	Details of Subscriptions	Name of Service Subscribed to	No. of e-resources with full Text access	Validity period	Usage report from the service Provider	Whether remote access Provided?
Springer-Mechanical	2,94,389/-	Global Information Technology Pvt. Ltd. Gurgaon - 122 016	149	1/1/2018 to 31/12/2018	YES	Yes
Springer - ETC.Comp. Eletrical	1,40,855/-	Global Information Technology Pvt. Ltd. Gurgaon - 122 016	49	1/1/2018 to 31/12/2018	YES	Yes
J-GATE -- Management	70,800/-	Informatics Publishing Ltd.Bangalore	4500	1/1/2018 to 31/12/2018	YES	Yes
DELNET	13,570/-	Developing Library Network, New Delhi	230	1/1/2018 to 31/12/2018	YES	Yes
TOTAL	5,19,614/-					



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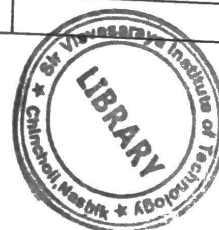
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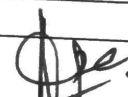
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Details of Membership	Details of Subscription s	Name of Service Subscribed to	No. of. e-resources with full Text access	Validity period	Usage report from the service Provider	Whether remote access Provided?
Springer	252195	Global Information Technology Pvt. Ltd. Gurgaon - 122 016	149	1/1/2017 to 31/12/2017	YES	Yes
Springer	120664	Global Information Technology Pvt. Ltd. Gurgaon - 122 016	49	1/1/2017 to 31/12/2017	YES	Yes
J-GATE	69000	Informatics Publishing Ltd.Bangalore	4500	1/1/2017 to 31/12/2017	YES	Yes
J-GATE	69000	Informatics Publishing Ltd.Bangalore	4500	1/1/2017 to 31/12/2017	YES	Yes
DELNET	11500	Developing Library Network, New Delhi	230	1/1/2017 to 31/12/2017	YES	Yes
ASTM	89154	Book Supply Bureau, New Delhi	211	1/1/2017 to 31/12/2017	YES	Yes
TOTAL	6,11,513					

Subscribed E Books for the Year -1/4/2015to 31/03/2016

Details of Membership	Details of Subscription s	Name of Service Subscribed to	No. of. E-resources with full Text access	Validity period	Usage report from the service Provider	Whether remote access Provided?
Springer E-Books	1,95,790/-	A R M INFORMATION SERVICES,Pune	9703	Life time	YES	Yes
TOTAL	1,95,790/-					




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Springer	207356	Global Information Technology Pvt. Ltd. Gurgaon – 122 016	149	1/1/2016 to 31/12/2016	YES	Yes
Springer	99197	Global Information Technology Pvt. Ltd. Gurgaon – 122 016	49	1/1/2016 to 31/12/2016	YES	Yes
J-GATE	68700	Informatics Publishing Ltd.Bangalore	4500	1/1/2016 to 31/12/2016	YES	Yes
J-GATE	68700	Informatics Publishing Ltd.Bangalore	4500	1/1/2016 to 31/12/2016	YES	Yes
ELSEVIER	556756	Allied Publishers Subscription Agency NEW DELHI-110002,	275	1/1/2016 to 31/12/2016	YES	Yes
ASTM DIGITAL	84942	BOOK SUPPLY BUREAU, New Delhi – 110 049	211	1/1/2016 to 31/12/2016	YES	Yes
DELNET	11500	Developing Library Network, New Delhi	150	1/1/2016 to 31/12/2016	YES	Yes
TOTAL	10,97,151			1/1/2016 to 31/12/2016		



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Details of Membershi p	Details of Subscripti ons	Name of Service Subscribed to	No. of. e- resources with full Text access	Validity period	Usage report from the service Provider	Whether remote access Provided?
DELNET	11500/-	Developing Library Network, New Delhi	150	1/1/2015 to 31/12/2015	Yes	Yes
Springer – ETC, Comp, Eletr.	208725.00	Global Information System Technology, Pvt.Ltd		1/1/2015 to 31/12/2015	Yes	Yes
Springer - Mechanical	99825.00	Global Information System Technology, Pvt.Ltd		1/1/2015 to 31/12/2015	Yes	Yes
Science Direct	434903.00	International Book House Pvt. Ltd, Mumbai		1/1/2015 to 31/12/2015	Yes	Yes
J-GATE - Engineering	67416.00	International Book House Pvt. Ltd, Mumbai		1/1/2015 to 31/12/2015	Yes	Yes
J-GATE - MBA	67416.00	International Book House Pvt. Ltd, Mumbai		1/1/2015 to 31/12/2015	Yes	Yes
TOTAL	8,89,785.00					



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Subscribed E Journal for the Year -1/1/2014 to 31/12/2014

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IEEE	370500	Global Information Technology Pvt. Ltd. Gurgaon – 122 016	146	1/1/2014 to 31/1/2014	Yes	Yes
ASME	158210	Global Information Technology Pvt. Ltd. Gurgaon – 122 016	26	1/1/2014 to 31/1/2014	Yes	Yes
DELNET	11500	Developing Library Network, New Delhi	150	1/1/2014 to 31/1/2014	Yes	Yes
TOTAL	7,79,930/-					



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IEEE	522012	Global Information Technology Pvt. Ltd. Gurgaon – 122 016	145	1/1/2012 to 31/12/2013	Yes	Yes
ASME	142557	Global Information Technology Pvt. Ltd. Gurgaon – 122 016	25	1/1/2013 to 31/12/2013	Yes	Yes
DELNET	11500	Developing Library Network, New Delhi	150	1/1/2013 to 31/12/2013	Yes	Yes
TOTAL	6,29,746/-					



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Book Title	Author	Subject Classification	Copyright Year	OpenURL
Sliding Mode Control and Observation	Yuri Shtessel, Christopher Edwards, Leonid Fridman, Arie Levant	Control, Robotics, Mechatronics; Vibration, Dynamical Systems, Control; Systems Theory, Control; Appl.Mathematics/Computational Methods of Engineering; Engineering Design	2014	http://link.springer.com/openurl?genre=book&isbn=978-0-8176-4892-3
Analysis of Engineering Drawings and Raster Map Images	Thomas C. Henderson	Signal,Image and Speech Processing; Computer Imaging, Vision, Pattern Recognition and Graphics; Image Processing and Computer Vision; Remote Sensing/Photogrammetry	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-8166-0
Mathematical Theories of Distributed Sensor Networks	Sitharama S. Iyengar, Kianoosh G. Boroojeni, N. Balakrishnan	Communications Engineering, Networks; Signal,Image and Speech Processing; Computer Communication Networks; Computational Science and Engineering	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-8419-7
Dual Phase Evolution	David G. Green, Jing Liu, Hussein A. Abbass	Appl.Mathematics/Computational Methods of Engineering; Complexity; Computer Systems Organization and Communication Networks	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-8422-7
Photonic Network-on-Chip Design	Keren Bergman, Luca P. Carloni, Aleksandr Biberman, Johnnie Chan, Gilbert Hendry	Circuits and Systems; Microwaves, RF and Optical Engineering; Optics and Electrodynamics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-9334-2
Emerging Memory Technologies	Yuan Xie	Circuits and Systems; Processor Architectures; Electronics and Microelectronics, Instrumentation	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-9550-6
Ultra-Low Power Integrated Circuit Design	Nianxiong Nick Tan, Dongmei Li, Zhihua Wang	Circuits and Systems; Electronics and Microelectronics, Instrumentation; Signal,Image and Speech Processing	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-9972-6
Engineering in Translational Medicine	Weibo Cai	Biomedical Engineering; Imaging / Radiology; Biomaterials; Biophysics and Biological Physics; Medical and Radiation Physics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-4371-0
Engineering Asset Management 2011	Jay Lee, Jun Ni, Jagnathan Sarangapani, Joseph Mathew	Operating Procedures, Materials Treatment; Industrial and Production Engineering; Innovation/Technology Management	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-4992-7
Transformation Electromagnetics and Metamaterials	Douglas H. Werner, Do-Hoon Kwon	Microwaves, RF and Optical Engineering; Optical and Electronic Materials; Magnetism, Magnetic Materials; Optics and Electrodynamics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-4995-8
Offshore Risk Assessment vol 1.	Jan-Erik Vinnem	Quality Control, Reliability, Safety and Risk; Environmental Management; Offshore Engineering; Mathematical Modeling and Industrial Mathematics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5206-4
Offshore Risk Assessment vol 2.	Jan-Erik Vinnem	Quality Control, Reliability, Safety and Risk; Environmental Management; Offshore Engineering; Mathematical Modeling and Industrial Mathematics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5212-5
Biologically Inspired Design	Ashok K Goel, Daniel A McAdams, Robert B. Stone	Engineering Design; Computer-Aided Engineering (CAD, CAE) and Design; Structural Materials	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5247-7
Dynamic Thermal Analysis of Machines in Running State	Lihui Wang	Energy Efficiency (incl. Buildings); Manufacturing, Machines, Tools; Characterization and Evaluation of Materials; Simulation and Modeling; Engineering Design	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5272-9
Quasi-Dimensional Simulation of Spark Ignition Engines	Alejandro Medina, Pedro Luis Curto-Risso, Antonio Calvo Hernández, Lev Guzmán-Vargas, Fernando Angulo-Brown, Asok K Sen	Energy Harvesting; Automotive Engineering; Simulation and Modeling; Thermodynamics; Engineering Thermodynamics, Heat and Mass Transfer	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5288-0
Applications of Multi-Criteria and Game Theory Approaches	Lyes Benyoucef, Jean-Claude Hennet, Manoj Kumar Tiwari	Engineering Economics, Organization, Logistics, Marketing; Manufacturing, Machines, Tools; Game Theory/Mathematical Methods	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5294-1
Fault Diagnosis and Fault-Tolerant Control and Guidance for Aerospace Vehicles	Ali Zolghadri, David Henry, Jérôme Cieslak, Denis Efimov, Philippe Goupil	Control; Aerospace Technology and Astronautics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5312-2
Dynamics and Control of Mechanical Systems in Offshore Engineering	Wei He, Shuzhi Sam Ge, Bernard Voon Ee How, Yoo Sang Choo	Control; Offshore Engineering; Structural Mechanics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5336-8
Annals of Industrial Engineering 2012	J. Carlos Prado-Prado, Jesús García-Arca	Industrial and Production Engineering	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5348-1
Supply Chain Strategies, Issues and Models	Usha Ramanathan, Ramakrishnan Ramanathan	Engineering Economics, Organization, Logistics, Marketing; Production/Logistics/Supply Chain Management; Innovation/Technology Management	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5351-1
The Robotics Divide	Antonio López Peláez	Robotics and Automation; Philosophy of Technology; Artificial Intelligence (incl. Robotics)	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5357-3

Enhancing the Internet with the CONVERGENCE System	Fernando Almeida, Maria Teresa Andrade, Nicola Blefari Melazzi, Richard Walker, Heinrich Hussmann, Iakovos S. Venieris	Communications Engineering, Networks; Computer Communication Networks; Information Systems Applications (incl.Internet)	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5372-6
Creative Engineering Design Assessment	Christine Charyton	Engineering Design; Industrial, Organisational and Economic Psychology	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5378-8
Vehicle-Manipulator Systems	Pål Johan From, Jan Tommy Gravdahl, Kristin Ytterstad Pettersen	Control; Robotics and Automation	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5462-4
Power Electronic Converters Modeling and Control	Seddik Bacha, Iulian Munteanu, Antoneta Iuliana Bratcu	Control; Power Electronics, Electrical Machines and Networks	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5477-8
Wireless Sensor Networks	Shuang-Hua Yang	Communications Engineering, Networks; Computer Communication Networks; Circuits and Systems; Information Systems Applications (incl.Internet)	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5504-1
Technopolis	Deog-Seong Oh, Fred Phillips	Energy Technology; Facility Management; Engineering Economics, Organization, Logistics, Marketing; Energy Economics; Cities, Countries, Regions; Development Economics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5507-2
Femtosecond Laser 3D Micromachining for Microfluidic and Optofluidic Applications	Koji Sugioka, Ya Cheng	Nanotechnology and Microengineering; Laser Technology, Photonics; Optical and Electronic Materials; Optics, Optoelectronics, Plasmonics and Optical Devices	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5540-9
Technology and Manufacturing Process Selection	Elsa Henriques, Paulo Pecas, Arlindo Silva	Industrial and Production Engineering; Engineering Economics, Organization, Logistics, Marketing; Transportation	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5543-0
Sampled-Data Models for Linear and Nonlinear Systems	Juan I. Yuz, Graham C. Goodwin	Control; Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences; Systems Theory, Control; Economic Systems	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5561-4
Desiccant-Assisted Cooling	Carlos Eduardo Leme Nóbrega, Nisio Carvalho Lobo Brum	Building Physics, HVAC; Atmospheric Protection/Air Quality Control/Air Pollution; Industrial Chemistry/Chemical Engineering	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5564-5
Neural Networks and Statistical Learning	Ke-Lin Du, M. N. S. Swamy	Computational Intelligence; Mathematical Models of Cognitive Processes and Neural Networks; Data Mining and Knowledge Discovery; Pattern Recognition	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5570-6
Cooperative Control of Multi-Agent Systems	Frank L. Lewis, Hongwei Zhang, Kristian Hengster-Movric, Abhijit Das	Control; Artificial Intelligence (incl. Robotics); Computational Intelligence; Aerospace Technology and Astronautics; Communications Engineering, Networks	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5573-7
Operations Research Problems	Raúl Poler, Josefa Mula, Manuel Díaz-Madroñero	Industrial and Production Engineering; Game Theory/Mathematical Methods; Game Theory, Economics, Social and Behav. Sciences; Operation Research/Decision Theory	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5576-8
Lean Six Sigma Case Studies in the Healthcare Enterprise	Sandra L. Furterer	Engineering Economics, Organization, Logistics, Marketing; Organization/Planning; Health Administration	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5582-9
Terawatt Solar Photovoltaics	Meng Tao	Renewable and Green Energy; Mechanical Engineering; Nuclear Energy; Nuclear Fusion; Energy Technology	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5642-0
International Operations Networks	John Johansen, Sami Farooq, Yang Cheng	Manufacturing, Machines, Tools; Operating Procedures, Materials Treatment; Production/Logistics/Supply Chain Management	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5645-1
Evolutionary Optimisation of Façade Design	Giovanni Zemella, Andrea Faraguna	Energy Efficiency (incl. Buildings); Building Construction; Renewable and Green Energy; Design, general	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5651-2
Finite-Time Stability and Control	Francesco Amato, Roberto Ambrosino, Marco Ariola, Carlo Cosentino, Gianmaria De Tommasi	Control; Systems Theory, Control; Industrial Chemistry/Chemical Engineering; Automotive Engineering; Aerospace Technology and Astronautics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5663-5
Discrete Control Systems	Yoshifumi Okuyama	Control; Systems Theory, Control	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-5666-6
Control Design and Analysis for Underactuated Robotic Systems	Xin Xin, Yannian Liu	Control; Robotics and Automation; Artificial Intelligence (incl. Robotics)	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6250-6
Robust and Optimal Control	Mi-Ching Tsai, Da-Wei Gu	Control; Circuits and Systems	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6256-8
Manufacturing Scheduling Systems	Jose M. Framinan, Rainer Leisten, Rubén Ruiz García	Industrial and Production Engineering; Operation Research/Decision Theory; Manufacturing, Machines, Tools	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6271-1
Smart Grid Applications and Developments	Daphne Mah, Peter Hills, Victor O.K. Li, Richard Balme	Energy Policy, Economics and Management; Energy Systems; Renewable and Green Energy	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6280-3

Process Control for Sheet-Metal Stamping	Yongseob Lim, Ravinder Venugopal, A Galip Ulsoy	Control; Operating Procedures, Materials Treatment; Automotive Engineering; Aerospace Technology and Astronautics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6283-4
Advanced Transport Systems	Milan Janić	Automotive Engineering; Transportation; Civil Engineering; Landscape/Regional and Urban Planning	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6286-5
Micro-scaled Products Development via Microforming	Ming Wang Fu, Wai Lun Chan	Nanotechnology and Microengineering; Quality Control, Reliability, Safety and Risk; Characterization and Evaluation of Materials	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6325-1
An Anthology of Theories and Models of Design	Amareesh Chakrabarti, Lucienne T. M. Blessing	Engineering Design; Philosophy of Technology	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6337-4
Statistical Treatment of Turbulent Polydisperse Particle Systems	J.S. Shrimpton, S. Haeri, Stephen J. Scott	Energy Systems; Engineering Fluid Dynamics; Energy Technology	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6343-5
Comfort Control in Buildings	María del Mar Castilla, José Domingo Álvarez, Francisco Rodríguez, Manuel Berenguel	Energy Efficiency (incl. Buildings); Building Physics, HVAC; Control; Renewable and Green Energy	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6346-6
Structural Properties of Porous Materials and Powders Used in Different Fields of Science and Technology	Yury Mironovich Volkovich, Anatoly Nikolaevich Filippov, Vladimir Sergeevich Bagotsky	Operating Procedures, Materials Treatment; Characterization and Evaluation of Materials; Soft and Granular Matter, Complex Fluids and Microfluidics	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6376-3
Droplets and Sprays	Sergei Sazhin	Engineering Fluid Dynamics; Fluid- and Aerodynamics; Engineering Thermodynamics, Heat and Mass Transfer	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6385-5
Data-driven Design of Fault Diagnosis and Fault-tolerant Control Systems	Steven X. Ding	Engineering Design; Control	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6409-8
Wind Power Electric Systems	Djamila Rekioua	Renewable and Green Energy; Power Electronics, Electrical Machines and Networks; Control	2014	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-6424-1
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Applied Acoustics: Concepts, Absorbers, and Silencers for Acoustical Comfort and Noise Control	Helmut V. Fuchs	Engineering Acoustics; Acoustics; Noise Control; Structural Materials; Civil Engineering; Electrical Engineering	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-29366-5
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Supervised Learning with Complex-valued Neural Networks	Sundaram Suresh, Narasimhan Sundararajan, Ramasamy Savitha	Computational Intelligence; Signal, Image and Speech Processing	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-29490-7
Guidelines for Applying Cohesive Models to the Damage Behaviour of Engineering Materials and Structures	Karl-Heinz Schwalbe, Ingo Scheider, Alfred Cornec	Continuum Mechanics and Mechanics of Materials; Characterization and Evaluation of Materials; Numerical Analysis; Structural Mechanics	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-29493-8
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Green's Functions and Finite Elements	Friedel Hartmann	Continuum Mechanics and Mechanics of Materials; Computational Mathematics and Numerical Analysis; Structural Mechanics	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-29522-5
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Advanced Mechanics of Piezoelectricity	Qing-Hua Qin	Mechanical Engineering; Theoretical and Applied Mechanics; Applications of Mathematics; Civil Engineering	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-29766-3
Rigid Finite Element Method in Analysis of Dynamics of Offshore Structures	Edmund Wittbrodt, Marek Szczotka, Andrzej Maczyński, Stanisław Wojciech	Mechanical Engineering; Computational Science and Engineering	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-29885-1
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Advancement in Sensing Technology	Subhas Chandra Mukhopadhyay, Krishanthi P. Jayasundera, Anton Fuchs	Electronics and Microelectronics, Instrumentation; Signal, Image and Speech Processing; Measurement Science and Instrumentation	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-32179-5
4th International Conference on Biomedical Engineering in Vietnam	Vo Van Toi, Nguyen Bao Toan, Truong Quang Dang Khoa, Tran Ha Lien Phuong	Biomedical Engineering; Computer Appl. in Life Sciences; Medical and Radiation Physics; Health Informatics	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-32182-5
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Computational Intelligence in Intelligent Data Analysis	Christian Moewes, Andreas Nürnberger	Computational Intelligence; Artificial Intelligence (incl. Robotics); Information Systems Applications (incl. Internet)	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-32377-5
Image Processing and Communications Challenges 4	Ryszard S. Choraś	Computational Intelligence; Artificial Intelligence (incl. Robotics); Signal, Image and Speech Processing; Communications Engineering, Networks; Image Processing and Computer Vision	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-32383-6
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Intelligent Distributed Computing VI	Giancarlo Fortino, Costin Badica, Michele Malgeri, Rainer Unland	Computational Intelligence; Artificial Intelligence (incl. Robotics); Information Systems Applications (incl. Internet)	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-32523-6

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Advances in Intelligent Control Systems and Computer Science	Loan Dumitrache	Computational Intelligence; Control; Artificial Intelligence (incl. Robotics)	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-32547-2
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Distributed Autonomous Robotic Systems	Alcherio Martinoli, Francesco Mondada, Nikolaus Correll, Grégory Mermoud, Magnus Egerstedt, M. Ani Hsieh, Lynne E. Parker, Kasper Støy	Robotics and Automation; Artificial Intelligence (incl. Robotics)	2013	http://link.springer.com/openurl?genre=book&isbn=978-3-642-32722-3
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Multi-Scale Modeling and Characterization of Infrastructure Materials	Niki Kringos, Björn Birgisson, David Frost, Linbing Wang	Building Materials; Characterization and Evaluation of Materials; Theoretical and Applied Mechanics	2013	http://link.springer.com/openurl?genre=book&isbn=978-94-007-6877-2
Information Technology Convergence	James J. (Jong Hyuk) Park, Leonard Barolli, Fatos Xhafa, Hwa-Young Jeong	Communications Engineering, Networks; Information Systems and Communication Service; Computer Systems Organization and Communication Networks	2013	http://link.springer.com/openurl?genre=book&isbn=978-94-007-6995-3
Primary Theory of Electromagnetics	Hyo J. Eom	Power Electronics, Electrical Machines and Networks; Optics and Electrodynamics; Microwaves, RF and Optical Engineering	2013	http://link.springer.com/openurl?genre=book&isbn=978-94-007-7142-0
Urban Environment	Sébastien Rauch, Gregory Morrison, Stefan Norra, Nina Schleicher	Transportation; Sustainable Development; Landscape/Regional and Urban Planning	2013	http://link.springer.com/openurl?genre=book&isbn=978-94-007-7755-2
Curriculum Innovations in Changing Societies	Edmond Hau-Fai Law, Chenzhi Li	Energy, general	2013	http://link.springer.com/openurl?genre=book&isbn=978-94-6209-359-1
Detection of Fetal Abnormalities Based on Three Dimensional Nuchal Translucency	Khin Wee Lai, Eko Supriyanto	Signal, Image and Speech Processing; Biomedical Engineering; Ultrasound; Medical and Radiation Physics; Imaging / Radiology	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4021-95-1
Electromigration Modeling at Circuit Layout Level	Cher Ming Tan, Feifei He	Quality Control, Reliability, Safety and Risk; Electronic Circuits and Devices; Atomic, Molecular, Optical and Plasma Physics	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4451-20-8
Carbon Nanotubes as Nanodelivery Systems	Melvin Choon Giap Lim, ZhaoWei Zhong	Biomedical Engineering; Engineering Fluid Dynamics; Nanoscale Science and Technology	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4451-38-3
Re-engineering Manufacturing for Sustainability	Andrew Y. C. Nee, Bin Song, Soh-Khim Ong	Engineering Design; Sustainable Development; Industrial and Production Engineering; Production/Logistics/Supply Chain Management	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4451-47-5
Decision Making Algorithms for Hydro-Power Plant Location	Mrinmoy Majumder, Soumya Ghosh	Renewable and Green Energy; Renewable and Green Energy; Math. Appl. in Environmental Science; Energy Policy, Economics and Management; Geoengineering, Foundations, Hydraulics	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4451-62-8
Segmentation of Hand Bone for Bone Age Assessment	Yan Chai Hum	Biomedical Engineering; Signal, Image and Speech Processing; Imaging / Radiology; Medical and Radiation Physics	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4451-65-9
Sustainability of Biofuel Production from Oil Palm Biomass	Keat Teong Lee, Cynthia Ofori-Boateng	Biochemical Engineering; Waste Management/Waste Technology; Energy Policy, Economics and Management	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4451-69-7
Proceedings of the Institute of Industrial Engineers Asian Conference 2013	Yi-Kuei Lin, Yu-Chung Tsao, Shi-Woei Lin	Engineering Economics, Organization, Logistics, Marketing; Manufacturing, Machines, Tools; Quality Control, Reliability, Safety and Risk; Operating Procedures, Materials Treatment	2013	http://link.springer.com/openurl?genre=book&isbn=978-981-4451-97-0
The Unknown Component Problem	Tiziano Villa, Nina Yevtushenko, Robert K. Brayton, Alan Mishchenko, Alexandre Petrenko, Alberto Sangiovanni-Vincentelli	Circuits and Systems; Logic Design; Electrical Engineering	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-387-34532-1

MIMO Communication for Cellular Networks	Howard Huang, Constantinos B. Papadakis, Sivarama Venkatesan	Signal, Image and Speech Processing; Communications Engineering, Networks; Microwaves, RF and Optical Engineering; Computer Communication Networks; Input/Output and Data Communications; Coding and Information Theory	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-387-77521-0
Sustainable Energy Systems and Applications	İbrahim Dinçer, Calin Zamfirescu	Engineering Thermodynamics, Heat and Mass Transfer; Renewable and Green Energy; Sustainable Development; Environmental Engineering/Biotechnology	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-387-95860-6
Handbook of Intelligent Vehicles	Azim Eskandarian	Automotive Engineering; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-084-7
Energy Systems in the Era of Energy Vectors	Fabio Orecchini, Vincenzo Naso	Renewable and Green Energy; Economics general; Climate Change; Power Electronics, Electrical Machines and Networks; Energy Systems	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-243-8
Engineering Asset Management and Infrastructure Sustainability	Joseph Mathew, Lin Ma, Andy Tan, Margot Weijnen, Jay Lee	Engineering Economics, Organization, Logistics, Marketing; Industrial Organization; Industrial and Production Engineering; Signal, Image and Speech Processing; Communications Engineering, Networks; Quality Control, Reliability, Safety and Risk	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-301-5
Fundamentals of Digital Manufacturing Science	Zude Zhou, Shane (Shengquan) Xie, Dejun Chen	Manufacturing, Machines, Tools; Computer-Aided Engineering (CAD, CAE) and Design; Innovation/Technology Management	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-563-7
Quantitative Methods in Supply Chain Management	Ioannis T. Christou	Engineering Economics, Organization, Logistics, Marketing; Production/Logistics/Supply Chain Management; Algorithms; Quality Control, Reliability, Safety and Risk	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-765-5
Supply Chain Disruptions	Haresh Gurnani, Anuj Mehrotra, Saibal Ray	Quality Control, Reliability, Safety and Risk; Industrial and Production Engineering; Production/Logistics/Supply Chain Management	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-777-8
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ECG Signal Processing, Classification and Interpretation	Adam Gacek, Witold Pedrycz	Biomedical Engineering; Signal, Image and Speech Processing; Cardiology; Computational Intelligence	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-867-6
Vector Control of Induction Machines	Benoît Robyns, Bruno Francois, Philippe Degobert, Jean Paul Hautier	Power Electronics, Electrical Machines and Networks; Mathematical Modeling and Industrial Mathematics; Simulation and Modeling; Control; Systems Theory, Control	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-900-0
Control of Solar Energy Systems	Eduardo F. Camacho, Manuel Berenguel, Francisco R. Rubio, Diego Martínez	Control; Renewable and Green Energy; Energy Technology	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-915-4
Machining of Metal Matrix Composites	J. Paulo Davim	Manufacturing, Machines, Tools; Machinery and Machine Elements; Ceramics, Glass, Composites, Natural Materials; Metallic Materials	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-937-6
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System Identification, Environmental Modelling, and Control System Design	Liuping Wang, Hugues Garnier	Control; Monitoring/Environmental Analysis; Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences; Circuits and Systems; Simulation and Modeling; Systems Theory, Control	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-973-4
Industrial Process Identification and Control Design	Tao Liu, Furong Gao	Control; Industrial Chemistry/Chemical Engineering; Industrial and Production Engineering	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-976-5
Packaging for Sustainability	Karli Verghese, Helen Lewis, Leanne Fitzpatrick	Industrial and Production Engineering; Waste Management/Waste Technology; Engineering Design; Innovation/Technology Management	2012	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-987-1
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Low Complexity MIMO Detection	Lin Bai, Jinho Choi	Communications Engineering, Networks; Signal, Image and Speech Processing	2012	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-8582-8
2011 International Conference in Electrics, Communication and Automatic Control Proceedings	Ran Chen	Control; Communications Engineering, Networks; Electrical Engineering; Control, Robotics, Mechatronics	2012	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-8848-5
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Fast Spectrum Reactors	Alan E. Waltar, Donald R. Todd, Pavel V. Tsvetkov	Nuclear Engineering; Nuclear Chemistry; Nuclear Physics, Heavy Ions, Hadrons; Energy Technology	2012	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-9571-1
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Digital Signal Processing for In-Vehicle Systems and Safety	John H.L. Hansen, Pinar Boyraz, Kazuya Takeda, Hüseyin Abut	Signal, Image and Speech Processing; Automotive Engineering; Control; Signal, Image and Speech Processing	2012	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-9606-0
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Ultra-Wideband Radio Frequency Identification Systems	Faranak Nekoogar, Farid Dowla	Signal, Image and Speech Processing; Microwaves, RF and Optical Engineering; Communications Engineering, Networks; Control, Robotics, Mechatronics; Circuits and Systems; Computer Systems Organization and Communication Networks	2012	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-9700-5
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Background Calibration of Time-Interleaved Data Converters	Manar El-Chammas, Boris Murmann	Circuits and Systems; Electronics and Microelectronics, Instrumentation; Signal,Image and Speech Processing	2012	http://link.springer.com/openurl?genre=book&isbn=978-1-4614-1510-7
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Stability and Stabilization of Nonlinear Systems	Iasson Karafyllis, Zhong-Ping Jiang	Control; Systems Theory, Control; Game Theory/Mathematical Methods; Nonlinear Dynamics	2011	http://link.springer.com/openurl?genre=book&isbn=978-0-85729-512-5
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Multimedia Analysis, Processing and Communications	Weisi Lin, Dacheng Tao, Janusz Kacprzyk, Zhu Li, Ebroul Izquierdo, Haohong Wang	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Communications Engineering, Networks; Information Systems and Communication Service	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19550-1
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Low Power and Reliable SRAM Memory Cell and Array Design	Koichiro Ishibashi, Kenichi Osada	Electronics and Microelectronics, Instrumentation; Engineering, general	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19567-9
Statistical Pronunciation Modeling for Non-Native Speech Processing	Rainer E. Gruhn, Wolfgang Minker, Satoshi Nakamura	Signal,Image and Speech Processing; Language Translation and Linguistics; Phonology; Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19585-3
Optimal Time-Domain Noise Reduction Filters	Jacob Benesty, Jingdong Chen	Signal,Image and Speech Processing; Coding and Information Theory; Communications Engineering, Networks	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19600-3
Combinations of Intelligent Methods and Applications	Ioannis Hatzilygeroudis, Jim Prentzas	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19617-1
Information Processing and Biological Systems	Samuli Niiranen, Andre Ribeiro	Computational Intelligence; Artificial Intelligence (incl. Robotics); Systems Biology; Computational Biology/Bioinformatics; Complexity	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19620-1
Multiscale and Multiphysics Processes in Geomechanics	Ronaldo I. Borja	Geoengineering, Foundations, Hydraulics; Geophysics and Environmental Physics	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19629-4
Seeking Chances	Emanuele Bardone	Engineering, general; Cognitive Psychology; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19632-4
Soft Computing Models in Industrial and Environmental Applications, 6th International Conference SOCO 2011	Emilio Corchado, Václav Snášel, Javier Sedano, Aboul Ella Hassanien, José Luis Calvo, Dominik Ślęzak	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19643-0
Handbook of Digital Homecare	Lodewijk Bos, Adrie Dumay, Leonard Goldschmidt, Griet Verhenneman, Kanagasingam Yogesan	Biomedical Engineering; Computer Appl. in Social and Behavioral Sciences; Health Informatics	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19646-1
Functional Thinking for Value Creation	Jürgen Hesselbach, Christoph Herrmann	Engineering Economics, Organization, Logistics, Marketing; Engineering Design; Production/Logistics/Supply Chain Management	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19688-1

Globalized Solutions for Sustainability in Manufacturing	Jürgen Hesselbach, Christoph Herrmann	Industrial and Production Engineering; Sustainable Development; Energy Efficiency (incl. Buildings); Energy Economics; Engineering Design	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19691-1
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Transient Heat Transfer	Donatello Annaratone	Engineering Thermodynamics, Heat and Mass Transfer; Engineering Fluid Dynamics	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19776-5
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Granular Computing and Intelligent Systems	Witold Pedrycz, Shyi-Ming Chen	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19819-9
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Advances on Practical Applications of Agents and Multiagent Systems	Yves Demazeau, Michal Pěchouček, Juan M. Corchado, Javier Bajo Pérez	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19874-8
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5th International Conference on Practical Applications of Computational Biology & Bioinformatics (PACBB 2011)	Miguel P. Rocha, Juan M. Corchado Rodríguez, Florentino Fdez-Riverola, Alfonso Valencia	Computational Intelligence; Artificial Intelligence (incl. Robotics); Bioinformatics	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19913-4
Highlights in Practical Applications of Agents and Multiagent Systems	Javier Bajo Pérez, Juan M. Corchado, María N. Moreno, Vicente Julián, Philippe Mathieu, Joaquin Canada-Bago, Alfonso Ortega, Antonio Fernández Caballero	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19916-5
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International Symposium on Distributed Computing and Artificial Intelligence	Ajith Abraham, Juan M. Corchado, Sara Rodríguez González, Juan F. Paz Santana	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-19933-2
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Dependable Computer Systems	Wojciech Zamojski, Janusz Kacprzyk, Jacek Mazurkiewicz, Jarosław Sugier, Tomasz Walkowiak	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-21392-2
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15th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC 2011)	Kim Dremstrup, Steve Rees, Morten Ølgaard Jensen	Biomedical Engineering; Medical and Radiation Physics; Health Informatics; Signal,Image and Speech Processing	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-21682-4
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Trends in Computational Contact Mechanics	Giorgio Zavarise, Peter Wriggers	Theoretical and Applied Mechanics; Appl.Mathematics/Computational Methods of Engineering; Continuum Mechanics and Mechanics of Materials	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-22166-8
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Soft Computing in Green and Renewable Energy Systems	Kasthurirangan Gopalakrishnan, Siddhartha Kumar Khaitan, Soteris Kalogirou	Computational Intelligence; Renewable and Green Energy; Artificial Intelligence (incl. Robotics); Environmental Engineering/Biotechnology	2011	http://link.springer.com/openurl?genre=book&isbn=978-3-642-22175-0
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Computational Methods in Earthquake Engineering	Manolis Papadrakakis, Michalis Fragiadakis, Nikos D. Lagaros	Vibration, Dynamical Systems, Control; Computational Intelligence; Computational Science and Engineering	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0052-9
Model Reduction for Circuit Simulation	Peter Benner, Michael Hinze, E. Jan W. ter Maten	Circuits and Systems; Appl.Mathematics/Computational Methods of Engineering; Systems Theory, Control	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0088-8
Computational Intelligence for Engineering Systems	Ana Madureira, Judite Ferreira, Zita Vale	Computational Intelligence; Computing Methodologies; Energy Technology	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0092-5
Water Waves and Ship Hydrodynamics	A.J. Hermans	Engineering Fluid Dynamics; Offshore Engineering; Classical Continuum Physics; Mechanical Engineering; Appl.Mathematics/Computational Methods of Engineering; Applications of Mathematics	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0095-6
Transdisciplinary Knowledge Production in Architecture and Urbanism	Isabelle Doucet, Nel Janssens	Human Geography; Landscape/Regional and Urban Planning; Regional and Cultural Studies	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0103-8
Globalization of Mobile and Wireless Communications	Ramjee Prasad, Sudhir Dixit, Richard van Nee, Tero Ojanpera	Communications Engineering, Networks; Computer Systems Organization and Communication Networks	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0106-9
Simulation and Verification of Electronic and Biological Systems	Peng Li, Luís Miguel Silveira, Peter Feldmann	Circuits and Systems; Simulation and Modeling; Nanotechnology and Microengineering	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0148-9
Advanced Electrical Drives	Rik De Doncker, Duco W.J. Pülle, André Veltman	Power Electronics, Electrical Machines and Networks; Control, Robotics, Mechatronics	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0179-3
Architectures and Synthesizers for Ultra-low Power Fast Frequency-Hopping WSN Radios	Emanuele Lopelli, Johan van der Tang, Arthur H.M. van Roermund	Circuits and Systems; Solid State Physics; Microwaves, RF and Optical Engineering	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0182-3
Embedded System Design	Peter Marwedel	Circuits and Systems; Software Engineering/Programming and Operating Systems	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0256-1
Intelligent Control and Computer Engineering	Sio-long Ao, Oscar Castillo, Xu Huang	Mechatronics; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0285-1
IUTAM Symposium on the Vibration Analysis of Structures with Uncertainties	Alexander K. Belyaev, Robin S. Langley	Vibration, Dynamical Systems, Control; Structural Mechanics; Continuum Mechanics and Mechanics of Materials; Statistical Theory and Methods; Appl.Mathematics/Computational Methods of Engineering	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0288-2
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Computational Modelling and Advanced Simulations	Justín Murín, Vladimír Kompiš, Vladimír Kutíš	Computational Science and Engineering; Materials Science, general; Theoretical and Applied Mechanics	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0316-2
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Nonlinear Mechanics of Crystals	John D. Clayton	Continuum Mechanics and Mechanics of Materials; Characterization and Evaluation of Materials; Crystallography	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0349-0
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Design Computing and Cognition '10	John S. Gero	Engineering Design; Computer-Aided Engineering (CAD, CAE) and Design; Design, general	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0509-8
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A CMOS Self-Powered Front-End Architecture for Subcutaneous Event-Detector Devices	Jordi Colomer-Farrarons, Pere Lluís Miribel-Català	Electronic Circuits and Devices; Biomedical Engineering; Circuits and Systems; Solid State Physics	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0685-9
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IUTAM Symposium on Nonlinear Stochastic Dynamics and Control	W. Q. Zhu, Y. K. Lin, G. Q. Cai	Nonlinear Dynamics; Vibration, Dynamical Systems, Control; Systems Theory, Control; Mechanics; Statistical Physics, Dynamical Systems and Complexity	2011	http://link.springer.com/openurl?genre=book&isbn=978-94-007-0731-3
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Fuzzy Cognitive Maps	Michael Glykas	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Operation Research/Decision Theory	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03219-6
Subwavelength and Nanometer Diameter Optical Fibers	Limin Tong, Michael Sumetsky	Microwaves, RF and Optical Engineering; Nanotechnology; Optics, Optoelectronics, Plasmonics and Optical Devices; Optical and Electronic Materials; Laser Technology, Photonics	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03361-2
Feedback and Control for Everyone	Pedro Albertos, Iven Mareels	Control; Popular Science in Mathematics/Computer Science/Natural Science/Technology; Systems Theory, Control; Vibration, Dynamical Systems, Control; Electrical Engineering; Mechanical Engineering	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03445-9
Factory Planning Manual	Michael Schenk, Siegfried Wirth, Egon Müller	Manufacturing, Machines, Tools; Engineering Economics, Organization, Logistics, Marketing	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03634-7
Advanced Topics in System and Signal Theory	Volker Pohl, Holger Boche	Communications Engineering, Networks; Algorithms; Computer Communication Networks; Appl.Mathematics/Computational Methods of Engineering; Computer Systems Organization and Communication Networks; Signal, Image and Speech Processing	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03638-5
Advanced Tribology	Jianbin Luo, Yonggang Meng, Tianmin Shao, Qian Zhao	Theoretical and Applied Mechanics; Mechanics; Tribology, Corrosion and Coatings; Physical Chemistry	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03652-1
ADIGMA - A European Initiative on the Development of Adaptive Higher-Order Variational Methods for Aerospace Applications	Norbert Kroll, Heribert Bieler, Herman Deconinck, Vincent Couaillier, Harmen Ven, Kaare Sørensen	Engineering Fluid Dynamics; Aerospace Technology and Astronautics; Appl.Mathematics/Computational Methods of Engineering; Numerical and Computational Physics; Fluid- and Aerodynamics	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03706-1
Trauma Biomechanics	Kai-Uwe Schmitt, Peter F. Niederer, Markus H. Muser, Felix Walz	Biomedical Engineering; Structural Mechanics; Forensic Medicine; Pathology; Automotive Engineering	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03712-2
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Spatial Filtering for the Control of Smart Structures	James E. Hubbard	Control, Robotics, Mechatronics; Vibration, Dynamical Systems, Control; Signal, Image and Speech Processing	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03803-7
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Trends in Practical Applications of Agents and Multiagent Systems	Yves Demazeau, Frank Dignum, Juan M. Corchado, Javier Bajo, Rafael Corchuelo, Emilio Corchado, Florentino Fernández-Riverola, Vicente J. Julián, Pawel Pawlewski, Andrew Campbell	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-12432-7
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26th Southern Biomedical Engineering Conference SBEC 2010, April 30 - May 2, 2010, College Park, Maryland, USA	Keith E. Herold, Jafar Vossoughi, William E. Bentley	Biomedical Engineering; Biophysics and Biological Physics; Biomaterials; Cell Biology; Continuum Mechanics and Mechanics of Materials	2010	http://link.springer.com/openurl?genre=book&isbn=978-3-642-14997-9

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60-GHz CMOS Phase-Locked Loops	Hammad M. Cheema, Reza Mahmoudi, Arthur H. M. Roermund	Circuits and Systems; Microwaves, RF and Optical Engineering; Solid State Physics	2010	http://link.springer.com/openurl?genre=book&isbn=978-90-481-9279-3
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Game Theoretic Risk Analysis of Security Threats	Vicki M. Bier, M. Naceur Azaiez	Quality Control, Reliability, Safety and Risk; Game Theory, Economics, Social and Behav. Sciences; Applications of Mathematics; Industrial and Production Engineering; Operation Research/Decision Theory; Operating Procedures, Materials Treatment	2009	http://link.springer.com/openurl?genre=book&isbn=978-0-387-87766-2

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Periodic Systems	Sergio Bittanti, Patrizio Colaneri	Vibration, Dynamical Systems, Control; Systems Theory, Control; Signal, Image and Speech Processing; Difference and Functional Equations; Quantitative Finance	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84800-910-3
Mechanics and Control of Soft-fingered Manipulation	Takahiro Inoue, Shinichi Hirai	Control, Robotics, Mechatronics; Vibration, Dynamical Systems, Control; Continuum Mechanics and Mechanics of Materials; Structural Mechanics	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84800-980-6
Discontinuous Systems	Yury V. Orlov	Systems Theory, Control; Vibration, Dynamical Systems, Control; Electronics and Microelectronics, Instrumentation; Automotive Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84800-983-7
Modelling Stochastic Fibrous Materials with Mathematica®	William Wyatt Sampson	Computational Intelligence	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84800-990-5
Electromechanical Properties in Composite Based on Ferroelectrics	Vitaly Yuryevich Topolov, Christopher R. Bowen	Continuum Mechanics and Mechanics of Materials	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84800-999-8
Introduction to Embedded System Design Using Field Programmable Gate Arrays	Rahul Dubey	Circuits and Systems; Computer-Aided Engineering (CAD, CAE) and Design; Logic Design; Control Structures and Microprogramming; Control, Robotics, Mechatronics; Signal, Image and Speech Processing	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-015-9
Changeable and Reconfigurable Manufacturing Systems	Hoda A. ElMaraghy	Manufacturing, Machines, Tools; Quality Control, Reliability, Safety and Risk; Engineering Economics, Organization, Logistics, Marketing	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-066-1
Biofuels for Road Transport	Lucas Reijnders, Mark Huijbregts	Renewable and Green Energy; Automotive Engineering; Environmental Engineering/Biotechnology	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-137-8
Real-time Iterative Learning Control	Jian-Xin Xu, Sanjib K. Panda, Tong Heng Lee	Control, Robotics, Mechatronics; Industrial Chemistry/Chemical Engineering; Manufacturing, Machines, Tools; Engineering Design; Electronics and Microelectronics, Instrumentation	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-174-3
Simulation-Based Case Studies in Logistics	Yuri Merkuryev, Galina Merkuryeva, Miquel Àngel Piera, Antoni Guasch	Engineering Economics, Organization, Logistics, Marketing; Production/Logistics/Supply Chain Management; Simulation and Modeling	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-186-6

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Collaborative Design and Planning for Digital Manufacturing	Lihui Wang, Andrew Y.C. Nee	Engineering Design; Manufacturing, Machines, Tools; Computer-Aided Engineering (CAD, CAE) and Design; Communications Engineering, Networks	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-286-3
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Model Predictive Control System Design and Implementation Using MATLAB®	Liuping Wang	Control, Robotics, Mechatronics; Computer-Aided Engineering (CAD, CAE) and Design; Industrial and Production Engineering; Appl.Mathematics/Computational Methods of Engineering; Industrial Chemistry/Chemical Engineering; Electrical Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-330-3
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Management of Uncertainty	Gudela Grote	Engineering Economics, Organization, Logistics, Marketing; Operation Research/Decision Theory; Organization/Planning; Innovation/Technology Management	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-372-3
Diesel Engine Transient Operation	Constantine D. Rakopoulos, Evangelos G. Giakoumis	Automotive Engineering; Engineering Thermodynamics, Heat and Mass Transfer; Control, Robotics, Mechatronics	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-374-7
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Recent Advances in Maintenance and Infrastructure Management	Roberto D. Cigolini, Abhijit V. Deshmukh, Lorenzo Fedele, Sara A. McComb	Quality Control, Reliability, Safety and Risk; Facility Management; Building Repair and Maintenance	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-488-1
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Mobile Robot Navigation with Intelligent Infrared Image Interpretation	William L. Fehلمان, Mark K. Hinders	Robotics and Automation; Artificial Intelligence (incl. Robotics); Pattern Recognition	2009	http://link.springer.com/openurl?genre=book&isbn=978-1-84882-508-6
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Informatics in Control, Automation and Robotics	Joaquim Filipe, Juan Andrade Cetto, Jean-Louis Ferrier	Artificial Intelligence (incl. Robotics); Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85639-9
Intelligentized Methodology for Arc Welding Dynamical Processes	Shan-Ben Chen, Jing Wu	Operating Procedures, Materials Treatment; Manufacturing, Machines, Tools; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85641-2
Intelligent Text Categorization and Clustering	Nadia Nedjah, Luiza Macedo Mourelle, Janusz Kacprzyk, Felipe M. G. França, Alberto Ferreira De Souza	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Computational Linguistics; Document Preparation and Text Processing; Language Translation and Linguistics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85643-6
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Genetic Engineering in Livestock	Margret Engelhard, Kristin Hagen, Mathias Boysen	Biomedical Engineering; Animal Genetics and Genomics; Ethics; Biotechnology	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85842-3
Mechanics of non-holonomic systems	Shervani Kh. Soltakhanov, Mikhail P. Yushkov, Sergei A. Zegzhda	Theoretical and Applied Mechanics; Computational Intelligence; Mechanics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85846-1
2nd International Workshop on Practical Applications of Computational Biology and Bioinformatics (IWPACBB 2008)	Juan M. Corchado, Juan F. Paz, Miguel P. Rocha, Florentino Fernández Riverola	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Bioinformatics; Computational Biology/Bioinformatics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85860-7
International Symposium on Distributed Computing and Artificial Intelligence 2008 (DCAI 2008)	Juan M. Corchado, Sara Rodríguez, James Llinas, José M. Molina	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Information Systems and Communication Service	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85862-1
3rd Symposium of Ubiquitous Computing and Ambient Intelligence 2008	Juan M. Corchado, Dante I. Tapia, José Bravo	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Information Systems and Communication Service	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-85866-9
Structural Complexity Management	Udo Lindemann, Maik Maurer, Thomas Braun	Engineering Design; Statistical Physics, Dynamical Systems and Complexity; Engineering Economics, Organization, Logistics, Marketing; Production/Logistics/Supply Chain Management; Complexity	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-87888-9
Innovative Applications in Data Mining	Nadia Nedjah, Luiza Macedo Mourelle, Janusz Kacprzyk	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88044-8
Knowledge Processing and Decision Making in Agent-Based Systems	Lakshmi C. Jain, Ngoc Thanh Nguyen	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88048-6
Multi-Objective Memetic Algorithms	Chi-Keong Goh, Yew-Soon Ong, Kay Chen Tan	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88050-9
Optimization and Cooperative Control Strategies	Michael J. Hirsch, Clayton W. Commander, Panos M. Pardalos, Robert Murphey	Control, Robotics, Mechatronics; Vibration, Dynamical Systems, Control; Complexity; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88062-2
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Mining Complex Data	Djamel A. Zighed, Shusaku Tsumoto, Zbigniew W. Ras, Hakim Hacid	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88066-0
Tools and Applications with Artificial Intelligence	Constantinos Koutsojannis, Spiros Sirmakessis	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88068-4
Intelligent Agents in the Evolution of Web and Applications	Ngoc Thanh Nguyen, Lakshmi C. Jain	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88070-7
Complex Systems in Knowledge-based Environments: Theory, Models and Applications	Andreas Tolk, Lakshmi C. Jain	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88074-5
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Applications of Soft Computing	Erel Avineri, Mario Köppen, Keshav Dahal, Yos Sunitiyoso, Rajkumar Roy	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88078-3
Web Mining Applications in E-commerce and E-services	I-Hsien Ting, Hui-Ju Wu	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Business Information Systems; Operation Research/Decision Theory	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88080-6
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Proceedings of the International Workshop on Computational Intelligence in Security for Information Systems CISIS'08	Emilio Corchado, Rodolfo Zunino, Paolo Gastaldo, Álvaro Herrero	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88180-3
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Fuzzy Information and Engineering	Bing-yuan Cao, Cheng-yi Zhang, Tai-fu Li	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88913-7
Optimization in the Energy Industry	Josef Kallrath, Panos M. Pardalos, Steffen Rebennack, Max Scheidt	Calculus of Variations and Optimal Control; Optimization; Energy Systems; Operation Research/Decision Theory; Energy Technology	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-88964-9
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Fuzzy Preference Ordering of Interval Numbers in Decision Problems	Atanu Sengupta, Tapan Kumar Pal	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-89914-3
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Complex Sports Biodynamics	Tijana T. Ivancevic, Bojan Jovanovic, Swetta Djukic, Milorad Djukic, Sasa Markovic	Biomedical Engineering; Biophysics and Biological Physics; Artificial Intelligence (incl. Robotics); Sports Medicine; Computer Appl. in Life Sciences	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-89970-9
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Intelligent Computing Based on Chaos	Ljupco Kocarev, Zbigniew Galias, Shiguo Lian	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-540-95971-7
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Intelligent Patient Management	Sally McClean, Peter Millard, Elia El-Darzi, Chris Nugent	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Health Informatics; Biomedical Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00178-9
Music-Inspired Harmony Search Algorithm	Zong Woo Geem	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Music; Acoustics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00184-0
Soft Computing for Data Mining Applications	K. R. Venugopal, K. G. Srinivasa, L. M. Patnaik	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00192-5
Experimental Robotics	Oussama Khatib, Vijay Kumar, George J. Pappas	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Machinery and Machine Elements; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00195-6
Turbulence and Interactions	Michel Deville, Thien-Hiep Lê, Pierre Sagaut	Engineering Fluid Dynamics; Complexity; Fluid- and Aerodynamics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00261-8
Intelligent Unmanned Systems: Theory and Applications	Agus Budiyo, Bambang Riyanto, Endra Joelianto	Appl.Mathematics/Computational Methods of Engineering; Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00263-2
Nature-Inspired Algorithms for Optimisation	Raymond Chiong	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Operation Research/Decision Theory	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00266-3
Informatics in Control, Automation and Robotics	Juan Andrade Cetto, Jean-Louis Ferrier, Joaquim Filipe	Signal,Image and Speech Processing; Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00270-0
Elastoplasticity Theory	Koichi Hashiguchi	Continuum Mechanics and Mechanics of Materials; Mechanics; Computational Intelligence	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00272-4
Vibro-Impact Dynamics	Raouf A. Ibrahim	Vibration, Dynamical Systems, Control; Mechanics; Computational Science and Engineering; Computational Intelligence	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00274-8
Quasi-Gas Dynamic Equations	Tatiana G. Elizarova	Engineering Fluid Dynamics; Fluid- and Aerodynamics; Computational Science and Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00291-5
Charge Injection Systems	John Shrimpton	Engineering Fluid Dynamics; Engineering Thermodynamics, Heat and Mass Transfer; Industrial Chemistry/Chemical Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00293-9
Noise Reduction in Speech Processing	Israel Cohen, Yiteng Huang, Jingdong Chen, Jacob Benesty	Signal,Image and Speech Processing; Acoustics; User Interfaces and Human Computer Interaction	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00295-3
Foundations in Grammatical Evolution for Dynamic Environments	Ian Dempsey, Michael O'Neill, Anthony Brabazon	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Economics general	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00313-4
Advanced Finite Element Method in Structural Engineering	Yu-Qiu Long, Zhi-Fei Long, Song Cen	Mechanical Engineering; Structural Mechanics; Computational Intelligence	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00315-8
Iterative-Interpolation Super-Resolution Image Reconstruction	Vivek Bannore	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Image Processing and Computer Vision; Neuropsychology	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00384-4
Axiomatic Fuzzy Set Theory and Its Applications	Xiaodong Liu, Witold Pedrycz	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00401-8
Soft Computing Based Modeling in Intelligent Systems	Valentina Emilia Balas, János Fodor, Annamária R. Várkonyi-Kóczy	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00447-6
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7th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS 2009)	Yves Demazeau, Juan Pavón, Juan M. Corchado, Javier Bajo	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00486-5
Magnetic Bearings	Eric H. Maslen, Gerhard Schweitzer	Machinery and Machine Elements; Vibration, Dynamical Systems, Control; Control, Robotics, Mechatronics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00496-4
Bioengineering Research of Chronic Wounds	Amit Gefen	Continuum Mechanics and Mechanics of Materials; Molecular Medicine; Medical Biochemistry; Computer Appl. in Life Sciences	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00533-6

Man-Machine Interactions	Krzysztof A. Cyran, Stanisław Kozielski, James F. Peters, Urszula Stańczyk, Alicja Wakulicz-Deja	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00562-6
Recent Advances in Sensing Technology	Subhas Chandra Mukhopadhyay, Gourab Sen Gupta, Ray Yueh-Min Huang	Electronics and Microelectronics, Instrumentation; Electrical Engineering; Information Systems and Communication Service; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics; Industrial Chemistry/Chemical Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00577-0
Wavelets from Math to Practice	Desanka P. Radunović	Signal, Image and Speech Processing; Computational Science and Engineering; Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences; Math Applications in Computer Science; Appl.Mathematics/Computational Methods of Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00613-5
Constraint-Handling in Evolutionary Optimization	Efrén Mezura-Montes	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00618-0
Vibro-Impact Dynamics of Ocean Systems and Related Problems	Raouf A. Ibrahim, Vladimir I. Babitsky, Masaaki Okuma	Vibration, Dynamical Systems, Control; Mechanics; Oceanography; Computational Science and Engineering; Computational Intelligence	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00628-9
Distributed Autonomous Robotic Systems 8	Hajime Asama, Haruhisa Kurokawa, Jun Ota, Kosuke Sekiyama	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Machinery and Machine Elements; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-00643-2
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Foundations of Computational, Intelligence Volume 1	Aboul-Ella Hassanien, Ajith Abraham, Athanasios V. Vasilakos, Witold Pedrycz	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-01081-1
Foundations of Computational Intelligence Volume 3	Ajith Abraham, Aboul-Ella Hassanien, Patrick Siarry, Andries Engelbrecht	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-01084-2
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Foundations of Computational, Intelligence Volume 6	Ajith Abraham, Aboul-Ella Hassanien, André Ponce Leon F. de Carvalho, Václav Snášel	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-01090-3
Nonlinear Model Predictive Control	Lalo Magni, Davide Martino Raimondo, Frank Allgöwer	Control, Robotics, Mechatronics; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-01093-4
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Complex Networks	Santo Fortunato, Giuseppe Mangioni, Ronaldo Menezes, Vincenzo Nicosia	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Vibration, Dynamical Systems, Control; Communications Engineering, Networks; Dynamical Systems and Ergodic Theory	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-01205-1
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The Sixth International Symposium on Neural Networks (ISNN 2009)	Hongwei Wang, Yi Shen, Tingwen Huang, Zhigang Zeng	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-01215-0
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25th Southern Biomedical Engineering Conference 2009, 15 – 17 May 2009, Miami, Florida, USA	Anthony J. McGoron, Chen-Zhong Li, Wei-Chiang Lin	Biomedical Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-01696-7
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Biomedical Data and Applications	Amandeep S. Sidhu, Tharam S. Dillon	Appl.Mathematics/Computational Methods of Engineering; Biomedical Engineering; Biomedicine general; Artificial Intelligence (incl. Robotics); Bioinformatics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-02192-3
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Positive Systems	Rafael Bru, Sergio Romero-Vivó	Vibration, Dynamical Systems, Control; Complexity; Statistical Physics, Dynamical Systems and Complexity; Control, Robotics, Mechatronics; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-02893-9
Topics in Time Delay Systems	Jean Jacques Loiseau, Wim Michiels, Silviu-Iulian Niculescu, Rifat Sipahi	Control, Robotics, Mechatronics; Systems Theory, Control; Complexity	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-02896-0
Recent Advances in Multimedia Signal Processing and Communications	Mislav Grgic, Kresimir Delac, Mohammed Ghanbari	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Communications Engineering, Networks; Signal, Image and Speech Processing; Information Systems and Communication Service	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-02899-1
New Directions in Intelligent Interactive Multimedia Systems and Services - 2	Ernesto Damiani, Jechang Jeong, Robert J. Howlett, Lakhmi C. Jain	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Multimedia Information Systems	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-02936-3
Heat Convection	Latif M. Jiji	Engineering Thermodynamics, Heat and Mass Transfer; Engineering Fluid Dynamics; Automotive Engineering; Thermodynamics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-02970-7
Fringe 2009	Wolfgang Osten, Malgorzata Kujawinska	Quality Control, Reliability, Safety and Risk; Optics, Optoelectronics, Plasmonics and Optical Devices; Signal, Image and Speech Processing; Image Processing and Computer Vision	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03050-5
Advances in Computational Intelligence	Wen Yu, Edgar N. Sanchez	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03155-7
Innovations in Digital Watermarking Techniques	Feng-Hsing Wang, Jeng-Shyang Pan, Lakhmi C. Jain	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Data Structures, Cryptology and Information Theory	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03186-1
Advances in Agent-Based Complex Automated Negotiations	Takayuki Ito, Minjie Zhang, Valentin Robu, Shaheen Fatima, Tokuro Matsuo	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03189-2
Control Configuration Selection for Multivariable Plants	Ali Khaki-Sedigh, Bijan Moaveni	Control, Robotics, Mechatronics; Systems Theory, Control; Industrial and Production Engineering; Mechanical Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03192-2
Modeling and Control of Complex Physical Systems	Vincent Duindam, Alessandro Macchelli, Stefano Stramigioli, Herman Bruyninckx	Control, Robotics, Mechatronics; Statistical Physics, Dynamical Systems and Complexity; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03195-3
Human-Computer Systems Interaction	Zdzisław S. Hippe, Juliusz L. Kulikowski	Appl. Mathematics/Computational Methods of Engineering; User Interfaces and Human Computer Interaction; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03201-1
Cognition-Driven Decision Support for Business Intelligence	Li Niu, Jie Lu, Guangquan Zhang	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Business Information Systems; Operation Research/Decision Theory	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03207-3

Nature Inspired Cooperative Strategies for Optimization (NISCO 2008)	Natalio Krasnogor, María Belén Melián-Batista, José Andrés Moreno Pérez, J. Marcos Moreno-Vega, David Alejandro Pelta	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03210-3
Intelligent Distributed Computing III	George Angelos Papadopoulos, Costin Badica	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03213-4
Algebraically Approximate and Noisy Realization of Discrete-Time Systems and Digital Images	Yasumichi Hasegawa	Signal,Image and Speech Processing; Complexity; Control, Robotics, Mechatronics; Image Processing and Computer Vision	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03216-5
Electromagnetic Compatibility for Device Design and System Integration	Karl-Heinz Gonschorek, Ralf Vick	Electronics and Microelectronics, Instrumentation; Microwaves, RF and Optical Engineering; Control, Robotics, Mechatronics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03289-9
Acoustics for Engineers	Jens Blauert, Ning Xiang	Engineering Acoustics; Acoustics; Communications Engineering, Networks	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03392-6
Sliding Mode Control Using Novel Sliding Surfaces	Bijnan Bandyopadhyay, Fulwani Deepak, Kyung-Soo Kim	Control, Robotics, Mechatronics; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03447-3
Harmony Search Algorithms for Structural Design Optimization	Zong Woo Geem	Computational Intelligence; Artificial Intelligence (incl. Robotics); Civil Engineering; Engineering Design	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03449-7
Intelligent Computer Graphics 2009	Dimitri Plemenos, Georgios Miaoulis	Computational Intelligence; Artificial Intelligence (incl. Robotics); Computer Graphics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03451-0
Sustainability in Energy and Buildings	Robert J. Howlett, Lakhmi C. Jain, Shaun H. Lee	Renewable and Green Energy; Sustainable Development; Civil Engineering; Engineering Thermodynamics, Heat and Mass Transfer; Monitoring/Environmental Analysis	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03453-4
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03472-5
Mechanics of Natural Solids	Dimitrios Kolymbas, Gioacchino Viggiani	Geoengineering, Foundations, Hydraulics; Soft and Granular Matter, Complex Fluids and Microfluidics; Continuum Mechanics and Mechanics of Materials	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03577-7
Swarm Intelligence for Multi-objective Problems in Data Mining	Carlos Artemio Coello Coello, Satchidananda Dehuri, Susmita Ghosh	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03624-8
Emergent Problems in Nonlinear Systems and Control	Bijoy K. Ghosh, Clyde F. Martin, Yishao Zhou	Control, Robotics, Mechatronics; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03626-2
Mars	Viorel Badescu	Energy Technology; Extraterrestrial Physics, Space Sciences; Aerospace Technology and Astronautics; Astronomy, Observations and Techniques	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03628-6
Abductive Cognition	Lorenzo Magnani	Computational Intelligence; Statistical Physics, Dynamical Systems and Complexity; Philosophy of Mind; Artificial Intelligence (incl. Robotics); Complexity	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03630-9
Aspects of Soft Computing, Intelligent Robotics and Control	János Fodor, Janusz Kacprzyk	Computational Intelligence; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03632-3
Fuzzy Information and Engineering Volume 2	Bingyuan Cao, Tai-Fu Li, Cheng-Yi Zhang	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03663-7
Towards Intelligent Engineering and Information Technology	Imre J. Rudas, János Fodor, Janusz Kacprzyk	Computational Intelligence; Artificial Intelligence (incl. Robotics); Engineering, general	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03736-8
Digital Processing and Reconstruction of Complex AC Signals	Predrag Petrović, Milorad Stevanović	Signal,Image and Speech Processing; Numeric Computing; Information and Communication, Circuits	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03842-6
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03878-5
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03884-6
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03888-4

World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03890-7
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03892-1
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03901-0
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03903-4
World Congress on Medical Physics and Biomedical Engineering, September 7 - 12, 2009, Munich, Germany	Olaf Dössel, Wolfgang C. Schlegel	Biomedical Engineering; Biophysics and Biological Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03905-8
New Challenges in Computational Collective Intelligence	Ngoc Thanh Nguyen, Radoslaw Piotr Katarzyniak, Adam Janiak	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03957-7
The DARPA Urban Challenge	Martin Buehler, Karl Iagnemma, Sanjiv Singh	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Machinery and Machine Elements; Systems Theory, Control	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03990-4
Applications of Supervised and Unsupervised Ensemble Methods	Oleg Okun, Giorgio Valentini	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-03998-0
Intelligent Collaborative e-Learning Systems and Applications	Thanasis Daradoumis, Santi Caballé, Joan Manuel Marqués, Fatos Xhafa	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Computers and Education; e-Commerce/e-business	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04000-9
Innovations in Neural Information Paradigms and Applications	Monica Bianchini, Marco Maggini, Franco Scarselli, Lakhmi C. Jain	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04002-3
Non-Standard Parameter Adaptation for Exploratory Data Analysis	Wesam Ashour Barbakh, Ying Wu, Colin Fyfe	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04004-7
Natural Intelligence for Scheduling, Planning and Packing Problems	Raymond Chiong, Sandeep Dhakal	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Production/Logistics/Supply Chain Management; Operation Research/Decision Theory	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04038-2
Computational Intelligence in Security for Information Systems	Álvaro Herrero, Paolo Gastaldo, Rodolfo Zunino, Emilio Corchado	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04090-0
MEGADESIGN and MegaOpt - German Initiatives for Aerodynamic Simulation and Optimization in Aircraft Design	Norbert Kroll, Dieter Schwamborn, Klaus Becker, Herbert Rieger, Frank Thiele	Aerospace Technology and Astronautics; Engineering Fluid Dynamics; Appl.Mathematics/Computational Methods of Engineering; Engineering Design	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04092-4
Advances in Information and Intelligent Systems	Zbigniew W. Ras, William Ribarsky	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04140-2
Intelligent Systems for Knowledge Management	Ngoc Thanh Nguyen, Edward Szczerbicki	Appl.Mathematics/Computational Methods of Engineering; Database Management; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04169-3
Innovations in Swarm Intelligence	Chee Peng Lim, Lakhmi C. Jain, Satchidananda Dehuri	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04224-9
Recent Advances in Nonlinear Dynamics and Synchronization	Kyandoghere Kyamakya, Wolfgang A. Halang, Herwig Unger, Jean Chamberlain Chedjou, Nikolai F. Rulkov, Zhong Li	Computational Intelligence; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04226-3
Visual Perception for Manipulation and Imitation in Humanoid Robots	Pedram Azad	Control, Robotics, Mechatronics; Computational Intelligence; Computer Imaging, Vision, Pattern Recognition and Graphics; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04228-7
International Conference on Advancements of Medicine and Health Care through Technology	Simona Vlad, Radu V. Ciupa, Anca I. Nicu	Biomedical Engineering; Biomaterials; Continuum Mechanics and Mechanics of Materials	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04291-1
Logic Synthesis for FSM-Based Control Units	Alexander Barkalov, Larysa Titarenko	Electronics and Microelectronics, Instrumentation; Control Structures and Microprogramming; Circuits and Systems; Logic Design; Applications of Mathematics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04308-6

Proceedings of the 18th International Meshing Roundtable	Brett W. Clark	Computational Intelligence; Applications of Mathematics; Simulation and Modeling; Theoretical and Applied Mechanics; Computer Imaging, Vision, Pattern Recognition and Graphics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04318-5
Computers in Medical Activity	Edward Kącki, Marek Rudnicki, Joanna Stempczyńska	Computational Intelligence; Artificial Intelligence (incl. Robotics); Biomedical Engineering; Medicine/Public Health, general	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04461-8
Constructive Neural Networks	Leonardo Franco, David A. Elizondo, José M. Jerez	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04511-0
Evolutionary Design of Intelligent Systems in Modeling, Simulation and Control	Oscar Castillo, Witold Pedrycz, Janusz Kacprzyk	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04513-4
Bio-inspired Hybrid Intelligent Systems for Image Analysis and Pattern Recognition	Patricia Melin, Janusz Kacprzyk, Witold Pedrycz	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Signal,Image and Speech Processing; Computer Imaging, Vision, Pattern Recognition and Graphics	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04515-8
Intelligent and Soft Computing in Infrastructure Systems Engineering	Kasthurirangan Gopalakrishnan, Halil Ceylan, Nii O. Attah-Okine	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Engineering Economics, Organization, Logistics, Marketing	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-04585-1
Vortex Rings	D. G. Akhmetov	Engineering Fluid Dynamics; Fluid- and Aerodynamics; Vibration, Dynamical Systems, Control; Statistical Physics, Dynamical Systems and Complexity	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05015-2
Internet – Technical Development and Applications	Ewaryst Tkacz, Adrian Kapczynski	Appl.Mathematics/Computational Methods of Engineering; Information Systems Applications (incl.Internet); Artificial Intelligence (incl. Robotics); Communications Engineering, Networks	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05018-3
Software Engineering Research, Management and Applications 2009	Roger Lee, Naohiro Ishii	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Software Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05440-2
Human Centered Robot Systems	Helge Ritter, Gerhard Sagerer, Rüdiger Dillmann, Martin Buss	Robotics and Automation; Computational Intelligence; Cognitive Psychology; Philosophy of Mind; Artificial Intelligence (incl. Robotics)	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-642-10402-2
Autonomous Land Vehicles	Karsten Berns, Ewald Puttkamer	Appl.Mathematics/Computational Methods of Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-3-8348-0421-1
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Esercizi di Idraulica e di Meccanica dei Fluidi	Sandro Longo, Maria Giovanna Tanda	Engineering, general; Engineering Fluid Dynamics; Geoengineering, Foundations, Hydraulics	2009	http://link.springer.com/openurl?genre=book&isbn=978-88-470-1347-6
Analisi dei sistemi dinamici	Alessandro Giua, Carla Seatzu	Electrical Engineering; Engineering, general	2009	http://link.springer.com/openurl?genre=book&isbn=978-88-470-1483-1
Liquid Crystal Display Drivers	David J.R. Cristaldi, Salvatore Pennisi, Francesco Pulvirenti	Circuits and Systems; Optical and Electronic Materials; Solid State Physics	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2254-7
Advances in Electrical Engineering and Computational Science	Sio-long Ao, Len Gelman	Electronics and Microelectronics, Instrumentation; Computer Communication Networks	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2310-0
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Multi-Carrier Systems & Solutions 2009	Simon Plass, Armin Dammann, Stefan Kaiser, Khaled Fazel	Communications Engineering, Networks; Computer Systems Organization and Communication Networks	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2529-6
IUTAM Symposium on Advances in Micro- and Nanofluidics	Marco Ellero, Xiangyu Hu, Jochen Fröhlich, Nikolaus Adams	Engineering, general; Theoretical and Applied Mechanics; Engineering Fluid Dynamics	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2625-5
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Seismic Risk Assessment and Retrofitting	Alper Ilki, Faruk Karadogan, Sumru Pala, Ercan Yuksek	Civil Engineering; Structural Mechanics; Earth Sciences, general; Vibration, Dynamical Systems, Control; Building Materials	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2680-4
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Random Vibrations in Spacecraft Structures Design	Jaap Wijker	Vibration, Dynamical Systems, Control; Automotive Engineering; Acoustics	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2727-6
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ICAF 2009, Bridging the Gap between Theory and Operational Practice	M. J. Bos	Automotive Engineering; Engineering Design; Mechanical Engineering	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2745-0
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Security and Reliability of Damaged Structures and Defective Materials	Guy Pluvinage, Aleksandar Sedmak	Mechanical Engineering; Quality Control, Reliability, Safety and Risk; Civil Engineering; Building Repair and Maintenance	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2791-7
Computational Structural Engineering	Yong Yuan, Junzhi Cui, Herbert A. Mang	Computational Intelligence; Continuum Mechanics and Mechanics of Materials; Structural Mechanics; Engineering Thermodynamics, Heat and Mass Transfer; Building Construction	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2821-1
Product Research	N. R. Srinivasa Raghavan, John A. Cafeo	Engineering Design; Mathematical Modeling and Industrial Mathematics; Operation Research/Decision Theory; Statistics for Social Science, Behavioral Science, Education, Public Policy, and Law; Simulation and Modeling	2009	http://link.springer.com/openurl?genre=book&isbn=978-90-481-2859-4
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Silicon-Based RF Front-Ends for Ultra Wideband Radios	Aminghasem Safarian, Payam Heydari	Circuits and Systems; Microwaves, RF and Optical Engineering; Communications Engineering, Networks; Electronics and Microelectronics, Instrumentation	2008	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-6721-1
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The Core Test Wrapper Handbook	Francisco Silva, Teresa McLaurin, Tom Waayers	Circuits and Systems; Computer-Aided Engineering (CAD, CAE) and Design; Electronics and Microelectronics, Instrumentation; Electrical Engineering	2006	http://link.springer.com/openurl?genre=book&isbn=978-0-387-30751-0
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Functional Verification of Programmable Embedded Architectures	Prabhat Mishra, Nikil D. Dutt	Circuits and Systems; Processor Architectures; Special Purpose and Application-Based Systems; Computer-Aided Engineering (CAD, CAE) and Design; System Performance and Evaluation; Electrical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-26143-0
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Nonblocking Electronic and Photonic Switching Fabrics	Wojciech Kabaciński	Communications Engineering, Networks; Computer Communication Networks; Discrete Mathematics in Computer Science; Algorithms; Electrical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-25431-9

Communication Systems	Marcelo S. Alencar, Valdemar C. Rocha	Communications Engineering, Networks; Coding and Information Theory; Signal, Image and Speech Processing	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-25481-4
Traffic Grooming in Optical WDM Mesh Networks	Keyao Zhu, Hongyue Zhu, Biswanath Mukherjee	Communications Engineering, Networks; Computer Communication Networks; Microwaves, RF and Optical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-25432-6
Mastering Calculations in Linear and Nonlinear Mechanics	Pierre Ladevèze, Jean-Pierre Pelle	Mechanical Engineering; Computational Intelligence; Structural Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-21294-4
Structural Sensitivity Analysis and Optimization 1	Kyung K. Choi, Nam Ho Kim	Structural Mechanics; Mechanical Engineering; Engineering Design; Civil Engineering; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-23232-4
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Parts Management Models and Applications	Sameer Kumar	Industrial and Production Engineering; Engineering Economics, Organization, Logistics, Marketing; Manufacturing, Machines, Tools; Quality Control, Reliability, Safety and Risk; Production/Logistics/Supply Chain Management	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-22821-1
MIMO Signals and Systems	Horst J. Bessai	Complexity; Microwaves, RF and Optical Engineering; Communications Engineering, Networks; Signal, Image and Speech Processing; Optics and Electrodynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-23488-5
Modeling and Simulation for RF System Design	Ronny Frevert, Joachim Haase, Roland Jancke, Uwe Knöchel, Peter Schwarz, Ralf Kakerow, Mohsen Darianian	Microwaves, RF and Optical Engineering; Electrical Engineering; Electronics and Microelectronics, Instrumentation; Engineering Design	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-27584-0
Stormwater Management for Smart Growth	Allen P. Davis, Richard H. McCuen	Civil Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-26048-8
The Multimedia Internet	Stephen Weinstein	Communications Engineering, Networks; Multimedia Information Systems; Information Systems Applications (incl. Internet); Computer Communication Networks; Coding and Information Theory	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-23681-0
Constraint Theory	George J. Friedman	Appl. Mathematics/Computational Methods of Engineering; Mathematical Modeling and Industrial Mathematics; Computational Intelligence; Mathematics of Computing; Computing Methodologies	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-23418-2
Wireless Networks	Cristina Comaniciu, Narayan B. Mandayam, H. Vincent Poor	Communications Engineering, Networks; Computer Communication Networks; Engineering Design; Energy Technology; Signal, Image and Speech Processing	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-23697-1
Design of Embedded Control Systems	Marian Andrzej Adamski, Andrei Karatkevich, Marek Wegrzyn	Control, Robotics, Mechatronics; Control Structures and Microprogramming; Computer-Aided Engineering (CAD, CAE) and Design; Processor Architectures; Complexity	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-23630-8
Dynamics of Rotating Systems	Giancarlo Genta	Mechanical Engineering; Vibration, Dynamical Systems, Control; Civil Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-20936-4
Transient Analysis of Electric Power Circuits Handbook	Arieh L. Shenkman	Circuits and Systems; Electrical Engineering; Engineering Design; Electronics and Microelectronics, Instrumentation	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-387-28797-3
Modeling and Imaging of Bioelectrical Activity	Bin He	Biomedical Engineering; Neurosciences; Neuroradiology; Imaging / Radiology	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-306-48112-3
Handbook of Networked and Embedded Control Systems	Dimitrios Hristu-Varsakelis, William S. Levine	Complexity; Communications Engineering, Networks; Manufacturing, Machines, Tools; Computer Systems Organization and Communication Networks; Applications of Mathematics	2005	http://link.springer.com/openurl?genre=book&isbn=978-0-8176-3239-7
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A Modern Course in Aeroelasticity	Robert Clark, David Cox, H. C. Curtiss, John W. Edwards, Kenneth C. Hall, David A. Peters, Robert Scanlan, Emil Simiu, Fernando Sisto, Thomas W. Strganac	Vibration, Dynamical Systems, Control; Automotive Engineering; Mechanical Engineering; Civil Engineering; Mathematical Modeling and Industrial Mathematics	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-2039-1
Surface Waves in Anisotropic and Laminated Bodies and Defects Detection	Robert V. Goldstein, Gerard A. Maugin	Vibration, Dynamical Systems, Control; Characterization and Evaluation of Materials; Crystallography; Applications of Mathematics	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-2386-6
Inverse Problems in Vibration	Graham M. L. Gladwell	Vibration, Dynamical Systems, Control; Mechanics; Analysis	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-2670-6

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Model and Design of Bipolar and MOS Current-Mode Logic	Massimo Alioto, Gaetano Palumbo	Electrical Engineering; Engineering Design; Electronics and Microelectronics, Instrumentation	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-2878-6
Design of Advanced Manufacturing Systems	Andrea Matta, Quirico Semeraro	Manufacturing, Machines, Tools; Construction Management; Appl.Mathematics/Computational Methods of Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-2930-1
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Science and Technology of Semiconductor-On-Insulator Structures and Devices Operating in a Harsh Environment	Denis Flandre, Alexei N. Nazarov, Peter L.F. Hemment	Electronics and Microelectronics, Instrumentation; Automotive Engineering; Electrical Engineering; Microwaves, RF and Optical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-3011-6
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Computer Engineering in Applied Electromagnetism	S. Wiak, A. Krawczyk, M. Trlep	Electrical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-3168-7
Systematic Modeling and Analysis of Telecom Frontends and Their Building Blocks	Piet Vanassche, Georges Gielen, Willy Sansen	Electrical Engineering; Electronics and Microelectronics, Instrumentation; Engineering Design	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-3173-1
Wideband Low Noise Amplifiers Exploiting Thermal Noise Cancellation	Federico Bruccoleri, Eric A.M. Klumperink, Bram Nauta	Electrical Engineering; Electronics and Microelectronics, Instrumentation; Engineering Design	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-3187-8
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Digital Synthesizers and Transmitters for Software Radio	Jouko Vankka	Electrical Engineering; Circuits and Systems; Signal, Image and Speech Processing; Microwaves, RF and Optical Engineering; Electronics and Microelectronics, Instrumentation	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-3194-6
Design of Wireless Autonomous Datalogger IC's	Wim Claes, Willy Sansen, Robert Puers	Circuits and Systems; Engineering, general; Electrical Engineering; Electronics and Microelectronics, Instrumentation	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-3208-0
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Multi-Robot Systems. From Swarms to Intelligent Automata Volume III	Lynne E. Parker, Frank E. Schneider, Alan C. Schultz	Artificial Intelligence (incl. Robotics); Engineering, general; Complexity	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-3388-9
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Interconnect-Centric Design for Advanced SoC and NoC	Jari Nurmi, Hannu Tenhunen, Jouni Isoaho, Axel Jantsch	Circuits and Systems; Electrical Engineering; Software Engineering/Programming and Operating Systems; Computer-Aided Engineering (CAD, CAE) and Design; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-7835-4
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Fuzzy Logic, Identification and Predictive Control	Jairo Espinosa, Joos Vandewalle, Vincent Wertz	Information Storage and Retrieval; Complexity; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-828-2
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Modelling and Control of Mini-Flying Machines	Pedro Castillo, Rogelio Lozano, Alejandro E. Dzul	Automotive Engineering; Systems Theory, Control; Simulation and Modeling	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-957-9
Computational Intelligence in Time Series Forecasting	Ajoy K. Palit, Dobrovoje Popovic	Artificial Intelligence (incl. Robotics); Simulation and Modeling; Quality Control, Reliability, Safety and Risk; Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-948-7
Reconfigurable Distributed Control	Héctor Benítez-Pérez, Fabián García-Nocetti	Computer System Implementation; Communications Engineering, Networks; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-954-8
Scalable Infrastructure for Distributed Sensor Networks	Krishnendu Chakrabarty, S. S. Iyengar	Electronics and Microelectronics, Instrumentation; Signal, Image and Speech Processing; Computer Systems Organization and Communication Networks; Computer Appl. in Administrative Data Processing	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-951-7
Control Systems Design	Vladimir Zakian	Systems Theory, Control; Engineering Design	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-913-5
Maintenance Theory of Reliability	Toshio Nakagawa	Engineering Design; Quality Control, Reliability, Safety and Risk; Industrial and Production Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-939-5
Materials for Information Technology	Ehrenfried Zschech, Caroline Whelan, Thomas Mikolajick	Electronics and Microelectronics, Instrumentation; Solid State Physics	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-941-8
The Universal Generating Function in Reliability Analysis and Optimization	Gregory Levitin	Quality Control, Reliability, Safety and Risk; Computational Intelligence; Complexity; Computer-Aided Engineering (CAD, CAE) and Design	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-927-2
Process Modelling for Control	Benoît Codrons	Simulation and Modeling; Industrial Chemistry/Chemical Engineering; Mechanical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-918-0
Mechatronic Systems	Rolf Isermann	Machinery and Machine Elements; Electronics and Microelectronics, Instrumentation; Engineering Design; Simulation and Modeling	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-930-2
H_{∞} -Control and Estimation of State-multiplicative Linear Systems	Eli Gershon, Uri Shaked, Isaac Yaesh	Systems Theory, Control; Electronics and Microelectronics, Instrumentation; Electrical Engineering; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-997-5
Advanced Topics in Control Systems Theory	Françoise Lamnabhi-Lagarigue, Antonio Loria, Elena Panteley	Systems Theory, Control; Automotive Engineering; Mechanical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-923-4
Control of Robot Manipulators in Joint Space	Rafael Kelly, Victor Santibáñez Davila, Antonio Loria	Simulation and Modeling; Machinery and Machine Elements; Manufacturing, Machines, Tools	2005	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-994-4
Moving Interfaces in Crystalline Solids	Franz Dieter Fischer	Continuum Mechanics and Mechanics of Materials	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-23899-8
Light Gauge Metal Structures Recent Advances	Jacques Rondal, Dan Dubina	Structural Mechanics; Building Construction; Engineering Design; Building Materials	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-25258-1
Nonlinear Waves in Fluids: Recent Advances and Modern Applications	Roger Grimshaw	Engineering Fluid Dynamics; Applications of Mathematics; Mathematical Methods in Physics; Fluid- and Aerodynamics; Continuum Mechanics and Mechanics of Materials	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-25259-8

Phenomenological and Mathematical Modelling of Structural Instabilities	Marcello Pignataro, Victor Gioncu	Computational Intelligence; Engineering Design; Structural Mechanics; Algorithms; Numerical Analysis; Numerical and Computational Physics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-25292-5
Nonlinear Dynamical Systems in Economics	Marji Lines	Economics/Management Science, general; Economic Growth; Economic Theory; Macroeconomics/Monetary Economics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-26177-4
Applied Micromechanics of Porous Materials	Luc Dormieux, Franz-Josef Ulm	Continuum Mechanics and Mechanics of Materials; Geoengineering, Foundations, Hydraulics; Biophysics and Biological Physics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-26362-4
AMST'05 Advanced Manufacturing Systems and Technology	Elso Kuljanic	Industrial and Production Engineering; Quality Control, Reliability, Safety and Risk; Operating Procedures, Materials Treatment; Computer Applications; Computer-Aided Engineering (CAD, CAE) and Design	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-26537-6
Adaptive Finite Elements in Linear and Nonlinear Solid and Structural Mechanics	Erwin Stein	Computational Intelligence; Numerical Analysis	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-26975-6
Surface Waves in Geomechanics: Direct and Inverse Modelling for Soils and Rocks	Carlo G. Lai, Krzysztof Wilmański	Continuum Mechanics and Mechanics of Materials; Mechanics; Acoustics; Software Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-27740-9
Environmental Stratified Flows	Vincenzo Armenio, Sutanu Sarkar	Fluid- and Aerodynamics; Computational Intelligence; Engineering Fluid Dynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-28408-7
Multiscale Modelling of Damage and Fracture Processes in Composite Materials	Tomasz Sadowski	Continuum Mechanics and Mechanics of Materials; Computational Intelligence	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-29558-8
Parameter Identification of Materials and Structures	Zenon Mróz, Georgios E. Stavroulakis	Computational Intelligence; Calculus of Variations and Optimal Control; Optimization; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-211-30151-7
Screw Compressors	Nikola Stosic, Ian K. Smith, Ahmed Kovacevic	Mechanical Engineering; Engineering Fluid Dynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24275-8
Microscale Diagnostic Techniques	Kenneth S. Breuer	Electronics and Microelectronics, Instrumentation; Theoretical and Applied Mechanics; Electrical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23099-1
Advanced Stress and Stability Analysis	Vsevolod I. Feodosiev	Theoretical and Applied Mechanics; Computational Intelligence; Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23935-2
High-Resolution Methods for Incompressible and Low-Speed Flows	Dimitris Drikakis, William Rider	Engineering Fluid Dynamics; Fluid- and Aerodynamics; Computational Intelligence; Computational Science and Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22136-4
Theory of Elasticity	A. I. Lurie, Alexander Belyaev	Theoretical and Applied Mechanics; Computational Intelligence; Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24556-8
Automotive Control Systems	Uwe Kiencke, Lars Nielsen	Control, Robotics, Mechatronics; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23139-4
Dynamics of Rods	Valery A. Svetlitsky	Theoretical and Applied Mechanics; Fluid- and Aerodynamics; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24284-0
Electromagnetic Aquametry	Klaus Kupfer	Microwaves, RF and Optical Engineering; Earth Sciences, general; Industrial Chemistry/Chemical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22222-4
VLSI-Design of Non-Volatile Memories	Giovanni Campardo, Rino Micheloni, David Novosel	Circuits and Systems; Electronics and Microelectronics, Instrumentation	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20198-4
Inelastic Analysis of Solids and Structures	Miloš Kojić, Klaus-Jürgen Bathe	Continuum Mechanics and Mechanics of Materials; Structural Mechanics; Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22793-9
Electronic Noise and Interfering Signals	Gabriel Vasilescu	Signal, Image and Speech Processing; Electronics and Microelectronics, Instrumentation; Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences; Microwaves, RF and Optical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-40741-6
Structure-Borne Sound	L. Cremer, M. Heckl, B.A.T. Petersson	Vibration, Dynamical Systems, Control; Acoustics; Building Construction; Noise Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22696-3
Basics of Aerothermodynamics	E. H. Hirschel	Automotive Engineering; Computational Intelligence; Continuum Mechanics and Mechanics of Materials; Engineering Fluid Dynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22132-6
Turbomachinery Flow Physics and Dynamic Performance	Meinhard Schobeiri	Engineering Fluid Dynamics; Mechanical Engineering; Energy Technology; Fluid- and Aerodynamics; Computational Science and Engineering; Energy, general	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22368-9
Nanotechnology and Nanoelectronics	W. R. Fahrner	Electronics and Microelectronics, Instrumentation; Inorganic Chemistry	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22452-5
Pressure and Temperature Sensitive Paints	Tianshu Liu, John P. Sullivan	Engineering Fluid Dynamics; Automotive Engineering; Classical Continuum Physics; Theoretical and Applied Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22241-5

Radio Wave Propagation for Telecommunication Applications	Hervé Sizun	Microwaves, RF and Optical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-40758-4
Fluid Mechanics of Flow Metering	Wolfgang Merzkirch, Klaus Gersten, Franz Peters, Venkatesa Vasanta Ram, Ernst Lavante, Volker Hans	Engineering Fluid Dynamics; Classical Continuum Physics; Mechanical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22242-2
Unsaturated Soils: Experimental Studies	Tom Schanz	Theoretical and Applied Mechanics; Engineering Fluid Dynamics; Continuum Mechanics and Mechanics of Materials; Appl.Mathematics/Computational Methods of Engineering; Classical Continuum Physics; Geophysics/Geodesy	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21121-1
Unsaturated Soils: Numerical and Theoretical Approaches	Tom Schanz	Theoretical and Applied Mechanics; Engineering Fluid Dynamics; Appl.Mathematics/Computational Methods of Engineering; Classical Continuum Physics; Hydrogeology; Geophysics/Geodesy	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21122-8
Differential Models	Alexander Pavlovich Solodov, Valery Fedorovich Ochkov	Appl.Mathematics/Computational Methods of Engineering; Theoretical and Applied Mechanics; Mathematical Methods in Physics; Ordinary Differential Equations; Partial Differential Equations; Classical Continuum Physics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20852-5
Discrete, Continuous, and Hybrid Petri Nets	René David, Hassane Alla	Artificial Intelligence (incl. Robotics); Appl.Mathematics/Computational Methods of Engineering; Mathematical Logic and Formal Languages; Systems Theory, Control; Applications of Mathematics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22480-8
Multiphase Flow Dynamics 1	Nikolay I. Kolev	Engineering Fluid Dynamics; Fluid- and Aerodynamics; Thermodynamics; Computational Intelligence; Complexity	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22106-7
Multiphase Flow Dynamics 2	Nikolay I. Kolev	Engineering Fluid Dynamics; Fluid- and Aerodynamics; Thermodynamics; Computational Intelligence; Complexity	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22107-4
Analyzing Uncertainty in Civil Engineering	Wolfgang Fellin, Heimo Lessmann, Michael Oberguggenberger, Robert Vieider	Quality Control, Reliability, Safety and Risk; Probability Theory and Stochastic Processes; Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences; Theoretical and Applied Mechanics; Geoengineering, Foundations, Hydraulics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22246-0
Location, Transport and Land-Use	Yupo Chan	Engineering Economics, Organization, Logistics, Marketing; Landscape/Regional and Urban Planning; Regional/Spatial Science; Industrial Organization; Geographical Information Systems/Cartography	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21087-0
Innovations in Robot Mobility and Control	Srikanta Patnaik, Lakhmi Jain, Spyros Tzafestas, Germano Resconi, Amit Konar	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26892-5
Bioethics in a Small World	Felix Thiele, R. E. Ashcroft, Friederike Wütscher	Engineering, general; Ethics; Biomedicine general; Life Sciences, general; Biomedical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23595-8
Flow and Transport in Fractured Porous Media	Peter Dietrich, Rainer Helmig, Martin Sauter, Heinz Hötzl, Jürgen Köngeter, Georg Teutsch	Continuum Mechanics and Mechanics of Materials; Engineering Fluid Dynamics; Geoengineering, Foundations, Hydraulics; Math. Appl. in Environmental Science; Hydrogeology	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23270-4
Tribo-Fatigue	Leonid A. Sosnovskiy	Continuum Mechanics and Mechanics of Materials; Tribology, Corrosion and Coatings; Machinery and Machine Elements; Quality Control, Reliability, Safety and Risk	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23153-0
Rocket and Spacecraft Propulsion	Martin J. L. Turner	Aerospace Technology and Astronautics; Extraterrestrial Physics, Space Sciences; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22190-6
Functional Structures in Networks	Thomas G. Muth	Communications Engineering, Networks; Computer Communication Networks; Information and Communication, Circuits; Complexity	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22545-4
Ambient Intelligence	Werner Weber, Jan M. Rabaey, Emile Aarts	Complexity; User Interfaces and Human Computer Interaction; Electronics and Microelectronics, Instrumentation; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23867-6
On the Uniqueness of Humankind	Hans-Rainer Duncker, Kathrin Prieß, Friederike Wütscher	Engineering, general; Ethics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23981-9
Creep Mechanics	Josef Betten	Continuum Mechanics and Mechanics of Materials; Engineering Fluid Dynamics; Mechanics; Computational Intelligence; Fluid- and Aerodynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23204-9
Fluid Mechanics	Egon Krause	Engineering Fluid Dynamics; Industrial Chemistry/Chemical Engineering; Classical Continuum Physics; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22981-0

Rarefied Gas Dynamics	Ching Shen	Engineering Thermodynamics, Heat and Mass Transfer; Industrial Chemistry/Chemical Engineering; Nanotechnology; Classical Continuum Physics; Engineering Fluid Dynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23926-0
Circuits and Systems Based on Delta Modulation	Djuro G. Zrilic	Circuits and Systems; Signal, Image and Speech Processing; Communications Engineering, Networks; Electronics and Microelectronics, Instrumentation; Microwaves, RF and Optical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23751-8
Engineering Thermofluids	Mahmoud Massoud	Industrial Chemistry/Chemical Engineering; Engineering Fluid Dynamics; Energy Technology	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22292-7
Engineering Damage Mechanics	Jean Lemaitre, Rodrigue Desmorat	Continuum Mechanics and Mechanics of Materials; Mechanics; Structural Mechanics; Civil Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21503-5
The Engineer and the Scandal	Reint Boer	Continuum Mechanics and Mechanics of Materials; Geoenvironment, Foundations, Hydraulics; Popular Science in Mathematics/Computer Science/Natural Science/Technology; Applications of Mathematics; Science, general	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23111-0
Applied Fuzzy Arithmetic	Michael Hanss	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Mechanical Engineering; Biomedical Engineering; Applications of Mathematics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24201-7
Computational Intelligence	Amit Konar	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Vibration, Dynamical Systems, Control; Control, Robotics, Mechatronics; Pattern Recognition	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20898-3
Deep-Space Probes	Gregory L. Matloff	Aerospace Technology and Astronautics; Extraterrestrial Physics, Space Sciences; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24772-2
Analysis of Low-Speed Unsteady Airfoil Flows	Tuncer Cebeci, Max Platzer, Hsun Chen, Kuo-Cheng Chang, Jian P. Shao	Continuum Mechanics and Mechanics of Materials; Computational Mathematics and Numerical Analysis; Numerical and Computational Physics; Mechanics; Fluid- and Aerodynamics; Appl. Mathematics/Computational Methods of Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22932-2
Liapunov Functions and Stability in Control Theory	Andrea Bacciotti, Lionel Rosier	Systems Theory, Control; Vibration, Dynamical Systems, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21332-1
Progress in Turbulence	Joachim Peinke, Achim Kittel, Stephan Barth, Martin Oberlack	Engineering Fluid Dynamics; Vibration, Dynamical Systems, Control; Fluid- and Aerodynamics; Dynamical Systems and Ergodic Theory; Partial Differential Equations	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23216-2
Innovation Cell	Burkard Wördenweber, Uwe Weissflog	Industrial and Production Engineering; Innovation/Technology Management; Engineering Design; Engineering Economics, Organization, Logistics, Marketing	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23559-0
Communication Acoustics	Jens Blauert	Signal, Image and Speech Processing; Acoustics; Communications Engineering, Networks; Pattern Recognition	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22162-3
Advanced Microsystems for Automotive Applications 2005	Jürgen Valldorf, Wolfgang Gessner	Electronics and Microelectronics, Instrumentation; Automotive Engineering; Industrial and Production Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24410-3
Wavelets and Signal Processing	Hans-Georg Stark	Signal, Image and Speech Processing; Appl. Mathematics/Computational Methods of Engineering; Applications of Mathematics; Theoretical, Mathematical and Computational Physics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23433-3
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Mechanics of Composite Materials with MATLAB	George Z. Voyiadjis, Peter I. Kattan	Computational Intelligence; Continuum Mechanics and Mechanics of Materials; Polymer Sciences; Simulation and Modeling; Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24353-3
Computational Fluid Dynamics for Engineers	Tuncer Cebeci, Jian P. Shao, Fassi Kafyke, Eric Laurendeau	Engineering Fluid Dynamics; Numerical and Computational Physics; Classical Continuum Physics; Mechanical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24451-6
Grippers in Motion	Andreas Wolf, Ralf Steinmann, Henrik Schunk	Machinery and Machine Elements; Engineering Design	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25657-1

Modern Control Theory	Zdzislaw Bubnicki	Vibration, Dynamical Systems, Control; Systems Theory, Control; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23951-2
Image Processing Using Pulse-Coupled Neural Networks	T. Lindblad, J.M. Kinser	Signal, Image and Speech Processing; Biophysics and Biological Physics; Statistical Theory and Methods	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24218-5
Microcontrollers in Practice	Marian Mitescu, Ioan Susnea	Electronics and Microelectronics, Instrumentation	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25301-3
Free-Convective Heat Transfer	Oleg G. Martynenko, Pavel P. Khramtsov	Engineering Fluid Dynamics; Classical Continuum Physics; Industrial Chemistry/Chemical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25001-2
Explosively Driven Pulsed Power	Andreas A. Neuber	Energy Technology; Magnetism, Magnetic Materials; Atoms and Molecules in Strong Fields, Laser Matter Interaction	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26051-6
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Proceedings of the 14th International Meshing Roundtable	Byron W. Hanks	Computational Intelligence; Theoretical and Applied Mechanics; Applications of Mathematics; Simulation and Modeling; Computer Imaging, Vision, Pattern Recognition and Graphics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25137-8
Nonlinear Continua	Eduardo N. Dvorkin, Marcela B. Goldschmit	Continuum Mechanics and Mechanics of Materials; Differential Geometry; Mechanics; Engineering Fluid Dynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24985-6
Climbing and Walking Robots	Manuel A. Armada, Pablo González Santos	Artificial Intelligence (incl. Robotics); Mechanical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22992-6
Computational Mechanics of the Classical Guitar	Rolf Bader	Theoretical and Applied Mechanics; Vibration, Dynamical Systems, Control; Appl.Mathematics/Computational Methods of Engineering; Acoustics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25136-1
Computational Intelligence, Theory and Applications	Bernd Reusch	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22807-3
New Developments in Computational Fluid Dynamics	Kozo Fujii, Kazuhiro Nakahashi, Shigeru Obayashi, Satoko Komurasaki	Engineering Fluid Dynamics; Computational Intelligence; Fluid- and Aerodynamics; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-27407-0
Control of Single Wheel Robots	Yangsheng Xu, Yongsheng Ou	Artificial Intelligence (incl. Robotics); Engineering Design; Automotive Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-28184-9
Multi-point Interaction with Real and Virtual Objects	Federico Barbagli, Domenico Prattichizzo, Kenneth Salisbury	Artificial Intelligence (incl. Robotics); User Interfaces and Human Computer Interaction; Simulation and Modeling; Computer Graphics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26036-3
Nonlinear Kalman Filtering for Force-Controlled Robot Tasks	Tine Lefebvre, Herman Bruyninckx, Joris Schutter	Artificial Intelligence (incl. Robotics); Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-28023-1
Algorithmic Foundations of Robotics VI	Michael Erdmann, Mark Overmars, David Hsu, Frank der Stappen	Artificial Intelligence (incl. Robotics); Systems Theory, Control; Machinery and Machine Elements	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25728-8
Intelligent Mobile Robot Navigation	Federico Cuesta, Anibal Ollero	Artificial Intelligence (incl. Robotics); Vibration, Dynamical Systems, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23956-7
Robotics Research. The Eleventh International Symposium	Paolo Dario, Raja Chatila	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Machinery and Machine Elements; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23214-8
Advances in Human-Robot Interaction	Erwin Prassler, Gisbert Lawitzky, Andreas Stopp, Gerhard Grunwald, Martin Hägele, Rüdiger Dillmann, Ioannis Iossifidis	Artificial Intelligence (incl. Robotics); Machinery and Machine Elements; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23211-7
Control of Nonlinear and Hybrid Process Systems	Panagiotis Christofides, Nael El-Farra	Vibration, Dynamical Systems, Control; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-28456-7
Control and Observer Design for Nonlinear Finite and Infinite Dimensional Systems	Thomas Meurer, Knut Graichen, Ernst Dieter Gilles	Vibration, Dynamical Systems, Control; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-27938-9
New Directions and Applications in Control Theory	Wijesuriya Dayawansa, Anders Lindquist, Yishao Zhou	Systems Theory, Control; Vibration, Dynamical Systems, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23953-6
Control Reconfiguration of Dynamical Systems	Thomas Steffen	System Performance and Evaluation; Quality Control, Reliability, Safety and Risk	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25730-1
Hybrid Estimation of Complex Systems	Michael W. Hofbauer	Vibration, Dynamical Systems, Control; Systems Theory, Control; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25727-1
Nonblocking Supervisory Control of State Tree Structures	Chuan Ma, W. Murray Wonham	Vibration, Dynamical Systems, Control; Systems Theory, Control; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25069-2

Control of Redundant Robot Manipulators	R. V. Patel, F. Shadpey	Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25071-5
Sound Capture for Human/Machine Interfaces	Wolfgang Herboldt	Signal, Image and Speech Processing; User Interfaces and Human Computer Interaction; Artificial Intelligence (incl. Robotics); Acoustics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23954-3
Switched and Impulsive Systems	Zhengguo Li, Yengchai Soh, Changyun Wen	Vibration, Dynamical Systems, Control; Systems Theory, Control; Information Systems Applications (incl. Internet); Computer Communication Networks; Computer Imaging, Vision, Pattern Recognition and Graphics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23952-9
Positive Polynomials in Control	Didier Henrion, Andrea Garulli	Vibration, Dynamical Systems, Control; Systems Theory, Control; Algebraic Geometry	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23948-2
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Identification of Nonlinear Systems Using Neural Networks and Polynomial Models	Andrzej Janczak	Vibration, Dynamical Systems, Control; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23185-1
Advances in Communication Control Networks	Sophie Tarbouriech, Chaouki T. Abdallah, John Chiasson	Communications Engineering, Networks; Vibration, Dynamical Systems, Control; Systems Theory, Control; Information Systems and Communication Service	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22819-6
Explicit Stability Conditions for Continuous Systems	Michael I. Gil'	Vibration, Dynamical Systems, Control; Systems Theory, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23984-0
The Brain: Fuzzy Arithmetic to Quantum Computing	Armando Freitas Rocha, Eduardo Massad, Alfredo Pereira	Appl. Mathematics/Computational Methods of Engineering; Neurosciences; Artificial Intelligence (incl. Robotics); Bioinformatics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21858-6
Evolutionary Computation in Data Mining	Ashish Ghosh, Lakhmi C. Jain	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Database Management	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22370-2
An Introduction to Computational Micromechanics	Tarek I. Zohdi, Peter Wriggers	Continuum Mechanics and Mechanics of Materials; Computational Intelligence; Condensed Matter Physics; Computational Science and Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-77482-2
Bioinformatics Using Computational Intelligence Paradigms	Udo Seiffert, Lakhmi C. Jain, Patric Schweizer	Computational Intelligence; Appl. Mathematics/Computational Methods of Engineering; Bioinformatics; Artificial Intelligence (incl. Robotics); Biotechnology	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22901-8
Intelligent Paradigms for Healthcare Enterprises	Barry Silverman, Ashlesha Jain, Ajita Ichalkaranje, Lakhmi Jain	Appl. Mathematics/Computational Methods of Engineering; Biomedical Engineering; Artificial Intelligence (incl. Robotics); Health Informatics; Computer Applications	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22903-2
Recent Advances in Memetic Algorithms	William E. Hart, J. E. Smith, N. Krasnogor	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22904-9
Evolvable Machines	Nadia Nedjah, Luiza de Macedo Mourelle	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Vibration, Dynamical Systems, Control	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22905-6
Soft Computing for Information Processing and Analysis	Masoud Nikravesh, Lotfi A. Zadeh, Janusz Kacprzyk	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Information Systems Applications (incl. Internet); Information and Communication, Circuits	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22930-8
First Course on Fuzzy Theory and Applications	Kwang H. Lee	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Vibration, Dynamical Systems, Control; Applications of Mathematics; Probability Theory and Stochastic Processes	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22988-9
Intelligent Multimedia Processing with Soft Computing	Yap-Peng Tan, Kim Hui Yap, Lipo Wang	Appl. Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Multimedia Information Systems; Computer Imaging, Vision, Pattern Recognition and Graphics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23053-3
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Fuzzy Mathematical Programming and Fuzzy Matrix Games	C. R. Bector, Suresh Chandra	#####	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-23729-7
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Simulating Fuzzy Systems	James Buckley	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics; Computational Intelligence	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24116-4
Computational Science and High Performance Computing	Egon Krause, Yurii I. Shokin, Michael Resch, Nina Shokina	Engineering Fluid Dynamics; Computational Intelligence; Communications Engineering, Networks; Theoretical, Mathematical and Computational Physics; Simulation and Modeling; Computer Applications	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24120-1
Hybrid Intelligent Systems for Pattern Recognition Using Soft Computing	Patricia Melin, Oscar Castillo	Appl.Mathematics/Computational Methods of Engineering; Pattern Recognition; Artificial Intelligence (incl. Robotics); Signal, Image and Speech Processing	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24121-8
Efficient Numerical Methods and Information-Processing Techniques for Modeling Hydro- and Environmental Systems	Reinhard Hinkelmann	Theoretical and Applied Mechanics; Continuum Mechanics and Mechanics of Materials; Monitoring/Environmental Analysis; Computational Intelligence; Hydrogeology; Math. Appl. in Environmental Science	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24146-1
Entropy and Energy	Ingo Müller, Wolf Weiss	Applications of Mathematics; Thermodynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24281-9
MEGAFLOW - Numerical Flow Simulation for Aircraft Design	Norbert Kroll, Jens K. Fassbender	Automotive Engineering; Computational Intelligence; Engineering Fluid Dynamics; Fluid- and Aerodynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24383-0
Mechanics of Elastic Structures with Inclined Members	Chen Hao Chang	Structural Mechanics; Theoretical and Applied Mechanics; Appl.Mathematics/Computational Methods of Engineering; Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24384-7
Support Vector Machines: Theory and Applications	Lipo Wang	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Pattern Recognition	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24388-5
Macroscopic Transport Equations for Rarefied Gas Flows	Henning Struchtrup	Applications of Mathematics; Thermodynamics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-24542-1
Real World Applications of Computational Intelligence	Mircea Negoita, Bernd Reusch	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics; Bioinformatics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25006-7
Fuzzy Probabilities	James J. Buckley	Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25033-3
Knowledge-Based Virtual Education	Claude Ghaoui, Mitu Jain, Vivek Bannore, Lakhmi C. Jain	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Information Systems and Communication Service	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25045-6
Computer Recognition Systems	Marek Kurzyński, Edward Puchała, Michał Woźniak, Andrzej Żołnieriek	Appl.Mathematics/Computational Methods of Engineering; Pattern Recognition; Artificial Intelligence (incl. Robotics); Applications of Mathematics; Information Systems and Communication Service	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25054-8
Soft Computing as Transdisciplinary Science and Technology	Ajith Abraham, Yasuhiko Dote, Takeshi Furuhashi, Mario Köppen, Azuma Ohuchi, Yukio Ohsawa	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25055-5
Intelligent Information Processing and Web Mining	Mieczysław A. Kłopotek, Sławomir T. Wierzchoń, Krzysztof Trojanowski	Appl.Mathematics/Computational Methods of Engineering; Information Systems and Communication Service; Simulation and Modeling; Operation Research/Decision Theory; Information and Communication, Circuits	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25056-2

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Knowledge Mining	Spiros Sirmakessis	Appl.Mathematics/Computational Methods of Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25070-8
Fuzzy Group Theory	John Mordeson, Kiran Bhutani, Azriel Rosenfeld	Complexity; Artificial Intelligence (incl. Robotics); Group Theory and Generalizations	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25072-2
Foundations of Learning Classifier Systems	Larry Bull, Tim Kovacs	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics; Bioinformatics	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25073-9
Fuzzy Systems Engineering	Nadia Nedjah, Luiza de Mourelle	Appl.Mathematics/Computational Methods of Engineering; Industrial and Production Engineering; Artificial Intelligence (incl. Robotics); Systems Theory, Control; Engineering Economics, Organization, Logistics, Marketing	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25322-8
Uncertainty Assessment of Large Finite Element Systems	Christian A. Schenk, Gerhart I. Schuëller	Vibration, Dynamical Systems, Control; Structural Mechanics; Mechanics; Computational Intelligence; Continuum Mechanics and Mechanics of Materials	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25343-3
Mechanical Modelling and Computational Issues in Civil Engineering	Michel Frémond, Franco Maceri	Vibration, Dynamical Systems, Control; Civil Engineering; Mechanics; Numerical Analysis	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-25567-3
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Computational Intelligence for Modelling and Prediction	Saman Halgamuge, Lipo Wang	#####	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26071-4
Artificial Mind System - Kernel Memory Approach	Tetsuya Hoya	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Bioinformatics; Vibration, Dynamical Systems, Control; Biomedical Engineering	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26072-1
Classification and Clustering for Knowledge Discovery	Saman Halgamuge, Lipo Wang	#####	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26073-8
Fuzzy Equational Logic	Radim Bělohlávek, Vilém Vychodil	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Applications of Mathematics; Computational Intelligence	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26254-1
Intelligent Data Mining	Da Ruan, Guoqing Chen, Etienne Kerre, Geert Wets	Appl.Mathematics/Computational Methods of Engineering; Pattern Recognition; Information Systems and Communication Service; Business Information Systems	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26256-5
Foundations of Data Mining and knowledge Discovery	Tsau Young Lin, Setsuo Ohsuga, Churn-Jung Liao, Xiaohua Hu, Shusaku Tsumoto	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26257-2
Machine Learning and Robot Perception	Bruno Apolloni, Ashish Ghosh, Ferda Alpaslan, Lakhmi Jain, Srikanta Patnaik	Artificial Intelligence (incl. Robotics)	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-540-26549-8
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Design of Intelligent Multi-Agent Systems	Nikhil Ichalkaranje, Lakhmi C. Jain, Rajiv Khosla	Appl.Mathematics/Computational Methods of Engineering; Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Computer Applications	2005	http://link.springer.com/openurl?genre=book&isbn=978-3-642-06177-6
Trends and Applications of Mathematics to Mechanics	Salvatore Rionero, Giovanni Romano	Engineering, general; Applications of Mathematics; Structural Mechanics	2005	http://link.springer.com/openurl?genre=book&isbn=978-88-470-0269-2
Tubazioni in polietilene per il trasporto di acqua	A. Pavan, R. Frassinè	Geoengineering, Foundations, Hydraulics; Engineering, general	2005	http://link.springer.com/openurl?genre=book&isbn=978-88-470-0268-5
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Dictionary of Civil Engineering	Jean-Paul Kurtz	Civil Engineering; Hydrogeology; Industrial Chemistry/Chemical Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-0-306-48317-2
Advanced Methods of Pharmacokinetic and Pharmacodynamic Systems Analysis Volume 3	David Z. D'Argenio	Pharmacology/Toxicology; Statistics for Life Sciences, Medicine, Health Sciences; The Computing Profession; Biomedical Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-7804-0
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Wireless Communications Systems and Networks	Mohsen Guizani	Computer Communication Networks; Electrical Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-0-306-48190-1
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Perspectives from Europe and Asia on Engineering Design and Manufacture	Xiu-Tian Yan, Cheng-Yu Jiang, Neal P. Juster	Engineering Design; Mechanical Engineering; Characterization and Evaluation of Materials	2004	http://link.springer.com/openurl?genre=book&isbn=978-94-015-7003-9
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Direct and Large-Eddy Simulation V	Rainer Friedrich, Bernard J. Geurts, Olivier Métais	Mechanics	2004	http://link.springer.com/openurl?genre=book&isbn=978-90-481-6575-9
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Acoustic Control of Turbulent Jets	A. S. Ginevsky, Ye. V. Vlasov, R. K. Karavosov	Engineering Fluid Dynamics; Acoustics; Control, Robotics, Mechatronics; Vibration, Dynamical Systems, Control; Systems Theory, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05764-9
Fuzzy Statistics	James J. Buckley	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Probability Theory and Stochastic Processes; Statistics, general; Complexity; Operation Research/Decision Theory	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05924-7
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Applications of Learning Classifier Systems	Larry Bull	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53559-8
Grade Models and Methods for Data Analysis	Teresa Kowalczyk, Elżbieta Pleszczyńska, Frederick Ruland	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Statistical Theory and Methods	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53561-1
New Optimization Techniques in Engineering	Godfrey C. Onwubolu, B. V. Babu	Complexity; Optimization; Calculus of Variations and Optimal Control; Optimization; Industrial and Production Engineering; Operation Research/Decision Theory	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05767-0
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Applied Intelligent Systems	John Fulcher, Lakhmi C. Jain	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Pattern Recognition; Control, Robotics, Mechatronics; Economic Theory	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05942-1
Optimal Control, Stabilization and Nonsmooth Analysis	Marcio S. Queiroz, Michael Malisoff, Peter Wolenski	Systems Theory, Control; Complexity; Vibration, Dynamical Systems, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21330-7
Intelligent Information Processing and Web Mining	Mieczysław A. Kłopotek, Sławomir T. Wierchoń, Krzysztof Trojanowski	Appl.Mathematics/Computational Methods of Engineering; Information Systems and Communication Service; Simulation and Modeling; Information and Communication, Circuits; Operation Research/Decision Theory	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21331-4
Uncertainty Theory	Baoding Liu	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Optimization; Operations Research, Management Science; Probability Theory and Stochastic Processes; Operation Research/Decision Theory	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-662-13262-3
Fuzzy Logic and the Internet	Vincenzo Loia, Masoud Nikravesh, Lotfi A. Zadeh	Appl.Mathematics/Computational Methods of Engineering; Information Systems Applications (incl.Internet); Multimedia Information Systems; Computing Methodologies	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05770-0
Theory of the Non-linear Analog Phase Locked Loop	Nikolaos I. Margaris	Information and Communication, Circuits; Systems Theory, Control; Vibration, Dynamical Systems, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21339-0
Resilient Control of Uncertain Dynamical Systems	Magdi S. Mahmoud	Vibration, Dynamical Systems, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21351-2
Adaptive Dual Control	Nikolai M. Filatov, Heinz Unbehauen	Information and Communication, Circuits; Systems Theory, Control; Vibration, Dynamical Systems, Control; Machinery and Machine Elements	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21373-4
Rational Matrix Equations in Stochastic Control	Tobias Damm	Linear and Multilinear Algebras, Matrix Theory; Systems Theory, Control; Probability Theory and Stochastic Processes; Appl.Mathematics/Computational Methods of Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20516-6

Intelligent Techniques in E-Commerce	Zhaohao Sun, Gavin R. Finnie	Appl.Mathematics/Computational Methods of Engineering; Computer Appl. in Administrative Data Processing; e-Commerce/e-business; Operation Research/Decision Theory; Business Information Systems	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05811-0
PID Trajectory Tracking Control for Mechanical Systems	Youngjin Choi, Wan Kyun Chung	Control, Robotics, Mechatronics; Systems Theory, Control; Theoretical and Applied Mechanics; Vibration, Dynamical Systems, Control; Industrial and Production Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20567-8
New Soft Computing Techniques for System Modeling, Pattern Classification and Image Processing	Leszek Rutkowski	Appl.Mathematics/Computational Methods of Engineering; Artificial Intelligence (incl. Robotics); Image Processing and Computer Vision; Pattern Recognition; Information and Communication, Circuits; Systems Theory, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05820-2
Soccer Robotics	Jong-Hwan Kim, Yong-Jae Kim, Dong-Han Kim, Kiam-Tian Seow	Artificial Intelligence (incl. Robotics); Machinery and Machine Elements; Systems Theory, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21859-3
Engineering Vibration Analysis	V. A. Svetlitsky	Theoretical and Applied Mechanics; Mechanics; Computational Intelligence	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05842-4
Ensuring Control Accuracy	Alexander Nebylov	Vibration, Dynamical Systems, Control; Systems Theory, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21876-0
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Mobile Robots in Rough Terrain	Karl Iagnemma, Steven Dubowsky	Artificial Intelligence (incl. Robotics); Systems Theory, Control; Vibration, Dynamical Systems, Control; Automotive Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-21968-2
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Advances in Control of Articulated and Mobile Robots	Bruno Siciliano, Claudio Melchiorri, Alessandro Luca, Giuseppe Casalino	Artificial Intelligence (incl. Robotics); Vibration, Dynamical Systems, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20783-2
Robotic Welding, Intelligence and Automation	Tzyh-Jong Tarn, Changjiu Zhou, Shan-Ben Chen	Machinery and Machine Elements; Vibration, Dynamical Systems, Control; Systems Theory, Control; Artificial Intelligence (incl. Robotics)	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20804-4
Perturbation Compensator based Robust Tracking Control and State Estimation of Mechanical Systems	Sang Joo Kwon, Wan Kyun Chung	Control, Robotics, Mechatronics; Vibration, Dynamical Systems, Control; Systems Theory, Control	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-22077-0
The Aerodynamics of Heavy Vehicles: Trucks, Buses, and Trains	Rose McCallen, Fred Browand, James Ross	Automotive Engineering; Computational Intelligence; Theoretical and Applied Mechanics; Engineering Fluid Dynamics	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53586-4
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Soft Computing and its Applications in Business and Economics	Rafik Aziz Aliev, Bijan Fazlollahi, Rashad Rafik Aliev	Appl.Mathematics/Computational Methods of Engineering; Operation Research/Decision Theory; Artificial Intelligence (incl. Robotics); Business Information Systems	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53588-8
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The Wave Finite Element Method	B. F. Shorr	Theoretical and Applied Mechanics; Computational Intelligence; Mechanics; Statistical Physics, Dynamical Systems and Complexity	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53605-2
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Enhancing the Power of the Internet	Masoud Nikraves, Ben Azvine, Ronald Yager, Lotfi A. Zadeh	Communications Engineering, Networks; Information Systems Applications (incl.Internet); Multimedia Information Systems; Information and Communication, Circuits; Appl.Mathematics/Computational Methods of Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53629-8
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Novel Approaches in Civil Engineering	Michel Frémond, Franco Maceri	Theoretical and Applied Mechanics; Numerical Analysis; Mechanics; Civil Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07529-2
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Advanced Microsystems for Automotive Applications 2004	Jürgen Valldorf, Wolfgang Gessner	Electronics and Microelectronics, Instrumentation; Automotive Engineering; Industrial and Production Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-20586-9
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Wörterbuch der Elektronik, Datentechnik, Telekommunikation und Medien / Dictionary of Electronics, Computing, Telecommunications and Media	Vittorio Ferretti	Electrical Engineering; Input/Output and Data Communications; Software Engineering/Programming and Operating Systems; Electronics and Microelectronics, Instrumentation; Communications Engineering, Networks; Business Information Systems	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-62168-0
MicroNano Integration	Harald Knobloch, Yvette Kaminorz	Electronics and Microelectronics, Instrumentation	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-62265-6
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SDMA for Multipath Wireless Channels	Igor P. Kovalyov	#####	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-62330-1
Third Generation Communication Systems	Jian-Guo Ma	Communications Engineering, Networks; Information Systems and Communication Service; Electrical Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-62357-8
Navigation and Robotics in Total Joint and Spine Surgery	James B. Stiehl, Werner H. Konermann, Rolf G. Haaker	Robotics and Automation; Surgical Orthopedics; Orthopedics; Traumatic Surgery	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63922-7
Morphological Image Analysis	Pierre Soille	Signal, Image and Speech Processing; Complexity; Image Processing and Computer Vision; Geometry	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07696-1
Numerical Simulation of Mechatronic Sensors and Actuators	Manfred Kaltenbacher	Electronics and Microelectronics, Instrumentation; Acoustics; Optics and Electrodynamics; Continuum Mechanics and Mechanics of Materials; Structural Mechanics; Microwaves, RF and Optical Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-662-05360-7
Piezoelectric Transducers and Applications	Antonio Arnau Vives	Electronics and Microelectronics, Instrumentation; Optical and Electronic Materials; Nanotechnology; Control, Robotics, Mechatronics	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-662-05363-8
Handbook of Mathematics	Ilja N. Bronshtein, Konstantin A. Semendyayev, Gerhard Musiol, Heiner Muehlig	Appl. Mathematics/Computational Methods of Engineering; Theoretical, Mathematical and Computational Physics; Analysis	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-43491-7
Engineering Acoustics	Michael Möser	Vibration, Dynamical Systems, Control; Acoustics; Noise Control; Civil Engineering; Mechanical Engineering; Signal, Image and Speech Processing	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-662-05393-5
Reliability Engineering	Alessandro Birolini	Quality Control, Reliability, Safety and Risk; Organization/Planning; R & D/Technology Policy; Electronics and Microelectronics, Instrumentation	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-662-05411-6
Nanoelectronics and Nanosystems	Karl Goser, Peter Glösekötter, Jan Dienstuhl	Electronics and Microelectronics, Instrumentation; Optical and Electronic Materials; Nanotechnology; Quantum Physics; Quantum Information Technology, Spintronics	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-540-40443-9
Structural Analysis with Finite Elements	Friedel Hartmann, Casimir Katz	Structural Mechanics; Computational Intelligence; Civil Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-662-05425-3
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Advances in Smart Technologies in Structural Engineering	Jan Holnicki-Szulc, Carlos Mota Soares	Structural Mechanics; Continuum Mechanics and Mechanics of Materials; Vibration, Dynamical Systems, Control; Characterization and Evaluation of Materials; Computational Intelligence	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-06104-2
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Digital Signal Processing with Field Programmable Gate Arrays	Uwe Meyer-Baese	Signal, Image and Speech Processing; Computer Hardware; Input/Output and Data Communications; Electronics and Microelectronics, Instrumentation	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-662-06730-7
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Functional Micro- and Nanosystems	Karl-Heinz Hoffmann	Electronics and Microelectronics, Instrumentation; Optical and Electronic Materials; Nanotechnology	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05999-5
Handbook of Slope Stabilisation	J. A. R. Ortigao, Alberto S. F. J. Sayao	Geoengineering, Foundations, Hydraulics; Geotechnical Engineering & Applied Earth Sciences; Geography (general)	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07494-3
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Intelligent Sensory Evaluation	Da Ruan, Xianyi Zeng	Quality Control, Reliability, Safety and Risk; Industrial Chemistry/Chemical Engineering; Engineering Economics, Organization, Logistics, Marketing; Measurement Science and Instrumentation	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05791-5
Introduction to Modeling and Control of Internal Combustion Engine Systems	Lino Guzzella, Christopher H. Onder	Automotive Engineering; Engineering Thermodynamics, Heat and Mass Transfer; Control, Robotics, Mechatronics	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-06085-4
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Mechanical Vibrations in Spacecraft Design	Jaap Wijker	Aerospace Technology and Astronautics; Structural Mechanics; Vibration, Dynamical Systems, Control; Engineering Design; Automotive Engineering	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07354-0
Modelling Fluid Flow	János Vad, Tamás Lajos, Rudolf Schilling	Engineering Fluid Dynamics; Computational Science and Engineering; Numerical and Computational Physics; Fluid- and Aerodynamics; Computational Intelligence; Engineering Thermodynamics, Heat and Mass Transfer	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-06034-2

Morphology Control of Materials and Nanoparticles	Yoshio Waseda, Atsushi Muramatsu	Mechanical Engineering; Theoretical and Applied Mechanics; Surface and Interface Science, Thin Films; Characterization and Evaluation of Materials; Condensed Matter Physics; Nanotechnology	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-05671-0
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Silicon Optoelectronic Integrated Circuits	Horst Zimmermann	Optical and Electronic Materials; Nanotechnology; Optics, Optoelectronics, Plasmonics and Optical Devices; Electronics and Microelectronics, Instrumentation	2004	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07351-9
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Problems of Fracture Mechanics and Fatigue	Emmanuel E. Gdoutos, Chris A. Rodopoulos, John R. Yates	Structural Mechanics; Building Construction; Mechanics; Characterization and Evaluation of Materials	2003	http://link.springer.com/openurl?genre=book&isbn=978-90-481-6491-2
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Virtual Components Design and Reuse	Ralf Seepold, Natividad Martínez Madrid	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design; Computer Hardware	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4868-7
Knowledge Discovery and Measures of Interest	Robert J. Hilderman, Howard J. Hamilton	Data Structures, Cryptology and Information Theory; Artificial Intelligence (incl. Robotics); Discrete Mathematics in Computer Science; Theory of Computation	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4913-4
Device and Circuit Cryogenic Operation for Low Temperature Electronics	Francis Balestra, Gérard Ghibaudo	Circuits and Systems; Electrical Engineering; Characterization and Evaluation of Materials; Optical and Electronic Materials	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4898-4
Scanning Probe Lithography	Hyongsok T. Soh, Kathryn Wilder Guarini, Calvin F. Quate	Circuits and Systems; Optical and Electronic Materials; Manufacturing, Machines, Tools; Electrical Engineering; Characterization and Evaluation of Materials	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4894-6
Interaction between Compilers and Computer Architectures	Gyungho Lee, Pen-Chung Yew	Processor Architectures; Computer Systems Organization and Communication Networks; Computer Science, general; Software Engineering/Programming and Operating Systems; Programming Languages, Compilers, Interpreters	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4896-0
Content-Based Audio Classification and Retrieval for Audiovisual Data Parsing	Tong Zhang, C.-C. Jay Kuo	Multimedia Information Systems; Information Storage and Retrieval; Signal, Image and Speech Processing; Data Structures, Cryptology and Information Theory	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4878-6
Operational Amplifiers	Johan Huijsing	Circuits and Systems; Electrical Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4875-5
Perceptual Metrics for Image Database Navigation	Yossi Rubner, Carlo Tomasi	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Image Processing and Computer Vision; Data Structures, Cryptology and Information Theory	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4863-2
VLSI Synthesis of DSP Kernels	Manesh Mehendale, Sunil D. Sherlekar	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4904-2

Instance Selection and Construction for Data Mining	Huan Liu, Hiroshi Motoda	Data Structures, Cryptology and Information Theory; Information Storage and Retrieval; Artificial Intelligence (incl. Robotics); Statistics, general	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4861-8
Principles of Asynchronous Circuit Design	Jens Sparsø, Steve Furber	Circuits and Systems; Electrical Engineering; Computer Hardware; Computer Systems Organization and Communication Networks	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4936-3
Functional Decomposition with Applications to FPGA Synthesis	Christoph Scholl	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design; Symbolic and Algebraic Manipulation; Theory of Computation	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4929-5
Direct Digital Synthesizers	Jouko Vankka, Kari Halonen	Circuits and Systems; Signal, Image and Speech Processing; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4895-3
Vision Models and Applications to Image and Video Processing	Christian J. Branden Lambrecht	Circuits and Systems; Image Processing and Computer Vision; Electrical Engineering; Cognitive Psychology; Signal, Image and Speech Processing	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4905-9
Data-Driven Techniques in Speech Synthesis	Robert I. Damper	Signal, Image and Speech Processing; Computational Linguistics; Phonology; Artificial Intelligence (incl. Robotics)	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4733-8
Principles of Convective Heat Transfer	Massoud Kaviany	Thermodynamics; Engineering, general	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-2894-8
Engineering Dynamics	Oliver M. O'Reilly	Mechanical Engineering; Mechanics; Applications of Mathematics	2001	http://link.springer.com/openurl?genre=book&isbn=978-0-387-95145-4
Nonlinear Analysis of Thin-Walled Structures	James F. Doyle	Theoretical and Applied Mechanics; Engineering Design	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-2910-5
Integrating Graphics and Vision for Object Recognition	Mark R. Stevens, J. Ross Beveridge	Computer Imaging, Vision, Pattern Recognition and Graphics; Computer Graphics; Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Image Processing and Computer Vision	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4860-1
Delay Effects on Stability	Silviu-Iulian Niculescu	Complexity; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization; Computer-Aided Engineering (CAD, CAE) and Design	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-291-4
Non-linear control based on physical models	Andreas Kugi	Mechanical Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-329-4
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Advances in the control of nonlinear systems	Alfonso Baños, Françoise Lamnabhi-Lagarigue, Francisco J. Montoya		2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-378-2
Modeling and IPC control of interactive mechanical systems — A coordinate-free approach	Stefano Stramigioli	Mechanical Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-395-9
Control of flexible-link manipulators using neural networks	H. A. Talebi, R. V. Patel, K. Khorasani		2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-409-3
State-space realisations of linear 2-D systems with extensions to the general nD (n>2) case	Krzysztof Gałkowski		2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-410-9
Nonlinear Control of Wheeled Mobile Robots	Warren Dixon, Darren M. Dawson, Erkan Zergeroglu, Aman Behal		2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-414-7
Linear time varying systems and sampled-data systems	Akira Ichikawa, Hitoshi Katayama		2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-439-0
Perspectives in robust control	S.O. Reza Moheimani		2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-452-9
Liapunov functions and stability in control theory	Andrea Bacciotti, Lionel Rosier		2001	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-419-2
Essays on the Motion of Celestial Bodies	V. V. Beletsky	Aerospace Technology and Astronautics; Astrophysics and Astroparticles; Extraterrestrial Physics, Space Sciences; Theoretical, Mathematical and Computational Physics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-0348-9533-0
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Efficient eReporting with SAP EC®	Andreas H. Schuler, Andreas Pfeifer	Engineering, general	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-322-86532-8
Bioresponse-Linked Instrumental Analysis	Bertold Hock	Chemistry/Food Science, general	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-519-00316-8
Electronic Banking	SCN Education B.V.	Engineering, general	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-322-86629-5
Handbook of Print Media	Helmut Kipphan	Machinery and Machine Elements; Media Design; Manufacturing, Machines, Tools; Optics, Optoelectronics, Plasmonics and Optical Devices	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63142-9
Set-Valued Force Laws	Christoph Glocker	Theoretical and Applied Mechanics; Mechanics; Computational Intelligence	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53595-6
Vibration of Strongly Nonlinear Discontinuous Systems	Vladimir I. Babitsky, V. L. Krupenin	Vibration, Dynamical Systems, Control; Computational Intelligence; Mechanics; Statistical Physics, Dynamical Systems and Complexity	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07471-4
Numerical Flow Simulation II	Ernst Heinrich Hirschel	Engineering Fluid Dynamics; Computational Intelligence; Fluid- and Aerodynamics; Numerical Analysis	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07485-1
Mechanics of Non-Homogeneous and Anisotropic Foundations	B. Grigori Muravskii	Theoretical and Applied Mechanics; Computational Intelligence; Mechanics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53602-1
Wave Propagation in Viscoelastic and Poroelastic Continua	Martin Schanz	Continuum Mechanics and Mechanics of Materials; Numerical Analysis; Mechanics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07490-5
Computational Fluid Dynamics for the 21st Century	Mohamed Hafez, Koji Morinishi, Jacques Periaux	Engineering Fluid Dynamics; Computational Intelligence; Numerical Analysis; Fluid- and Aerodynamics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07558-2
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Transient Aeroelastohydroelasticity of Spherical Bodies	Anatoly G. Gorshkov, Dmitry V. Tarlakovsky	Theoretical and Applied Mechanics; Computational Intelligence; Fluid- and Aerodynamics; Acoustics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53626-7
Regular and Chaotic Oscillations	Polina S. Landa	Appl.Mathematics/Computational Methods of Engineering; Theoretical and Applied Mechanics; Statistical Physics, Dynamical Systems and Complexity; Mechanics; Dynamical Systems and Ergodic Theory	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07423-3
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Impulsive Control Theory	Tao Yang	Complexity; Systems Theory, Control	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-540-42296-9
Advanced Microsystems for Automotive Applications 2001	Sven Krueger, Wolfgang Gessner	Electronics and Microelectronics, Instrumentation; Power Electronics, Electrical Machines and Networks; Automotive Engineering; Industrial and Production Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-62124-6
Optical Measurements	Franz Mayinger, Oliver Feldmann	Measurement Science and Instrumentation; Thermodynamics; Fluid- and Aerodynamics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63079-8
Energy Efficiency in Household Appliances and Lighting	Paolo Bertoldi, Andrea Ricci, Anibal Almeida	Power Electronics, Electrical Machines and Networks; Environmental Economics; Innovation/Technology Management	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-540-41482-7
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Schlieren and Shadowgraph Techniques	G. S. Settles	Fluid- and Aerodynamics; Engineering, general; Optics, Optoelectronics, Plasmonics and Optical Devices; Thermodynamics; Industrial Chemistry/Chemical Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63034-7
Information Measures	Christoph Arndt	Communications Engineering, Networks; Coding and Information Theory; Statistical Physics, Dynamical Systems and Complexity; Complexity	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-540-40855-0

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Modeling Telecom Networks and Systems Architecture	Thomas Muth	Communications Engineering, Networks; Computer Systems Organization and Communication Networks; Complexity	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63184-9
Mathematical Foundations of Computational Engineering	Peter Jan Pahl, Rudolf Dammrath	Complexity; Algebraic Topology; Computational Mathematics and Numerical Analysis; Civil Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63238-9
Design for Configuration	Asko Riitahuhta, Antti Pulkkinen	Engineering Design	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63211-2
Third Generation Mobile Telecommunication Systems	Peter Stavroulakis	Communications Engineering, Networks; Computer Systems Organization and Communication Networks; Microwaves, RF and Optical Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63224-2
Electronic Properties of Materials	Rolf E. Hummel	Electronics and Microelectronics, Instrumentation; Optical and Electronic Materials; Metallic Materials	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-86540-4
Nonlinear System Identification	Oliver Nelles	Control, Robotics, Mechatronics; Complexity; Calculus of Variations and Optimal Control; Optimization; Simulation and Modeling	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08674-8
Microwave Resonators and Filters for Wireless Communication	Mitsuo Makimoto, Sadahiko Yamashita	Communications Engineering, Networks; Optical and Electronic Materials; Electronics and Microelectronics, Instrumentation	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08700-4
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Interdisciplinarity in Technology Assessment	Michael Decker, Friederike Wütscher	R & D/Technology Policy; Ethics; Philosophy (general)	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07671-8
Mobility and Traffic in the 21st Century	Franz Mayinger	Automotive Engineering; Regional/Spatial Science; Computing Methodologies	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07487-5
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Performance of Communication Systems	Alexander Ost	Communications Engineering, Networks; System Performance and Evaluation; Computational Intelligence; Math Applications in Computer Science; Combinatorics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07470-7
Advances in Network and Acoustic Echo Cancellation	Jacob Benesty, Tomas Gänslér, Dennis R. Morgan, M. Mohan Sondhi, Steven L. Gay	Signal, Image and Speech Processing; Acoustics; Communications Engineering, Networks	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07507-0
VLSI Memory Chip Design	Kiyoo Itoh	Optical and Electronic Materials; Electronics and Microelectronics, Instrumentation; Nanotechnology; Engineering, general	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08736-3
Combustion	Jürgen Warnatz, Ulrich Maas, Robert W. Dibble	Engineering Thermodynamics, Heat and Mass Transfer; Physical Chemistry; Atmospheric Protection/Air Quality Control/Air Pollution; Industrial Chemistry/Chemical Engineering; Classical Continuum Physics; Engineering Fluid Dynamics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-662-04510-7
Noise in Semiconductor Devices	Fabrizio Bonani, Giovanni Ghione	Optics, Optoelectronics, Plasmonics and Optical Devices; Mathematical Methods in Physics; Numerical and Computational Physics; Electronics and Microelectronics, Instrumentation; Software Engineering/Programming and Operating Systems	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08586-4
Statistical Physics of Fluids	V. I. Kalikmanov	Engineering Fluid Dynamics; Classical Continuum Physics; Condensed Matter Physics; Fluid- and Aerodynamics; Statistical Physics, Dynamical Systems and Complexity; Thermodynamics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07511-7
Deformation and Fracture Behaviour of Polymers	Wolfgang Grellmann, Sabine Seidler	Theoretical and Applied Mechanics; Characterization and Evaluation of Materials; Engineering, general; Polymer Sciences; Mechanics; Condensed Matter Physics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07453-0
Digital Signal Processing with Field Programmable Gate Arrays	Uwe Meyer-Baese	Signal, Image and Speech Processing; Electronics and Microelectronics, Instrumentation; Logic Design	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-662-04615-9

Microphone Arrays	Michael Brandstein, Darren Ward	Signal, Image and Speech Processing; Acoustics; Communications Engineering, Networks	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07547-6
Mechatronic Control of Distributed Noise and Vibration	Christopher D. Rahn	Vibration, Dynamical Systems, Control; Control, Robotics, Mechatronics; Computational Intelligence; Acoustics	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-642-07536-0
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Environmental Geomechanics	Bernhard A. Schrefler	Complexity; Geoengineering, Foundations, Hydraulics; Earth Sciences, general	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-211-83680-4
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Simulation of Semiconductor Processes and Devices 2001	Dimitris Tsoukalas, Christos Tsamis	Electronics and Microelectronics, Instrumentation; Optical and Electronic Materials; Nanotechnology	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-7091-7278-0
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Computational Intelligence in Theory and Practice	Bernd Reusch, Karl-Heinz Temme	Artificial Intelligence (incl. Robotics)	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-7908-1357-9
Soft Computing for Control of Non-Linear Dynamical Systems	Oscar Castillo, Patricia Melin	Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics; Game Theory/Mathematical Methods; Calculus of Variations and Optimal Control; Optimization	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-662-00367-1
Computational Intelligence in Games	Norio Baba, Lakhmi C. Jain	Artificial Intelligence (incl. Robotics); Game Theory/Mathematical Methods; Complexity	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-662-00369-5
Flexible Query Answering Systems	Henrik L. Larsen, Troels Andreasen, Henning Christiansen, Janusz Kacprzyk, Sławomir Zadrozny	Database Management; Information Storage and Retrieval; Artificial Intelligence (incl. Robotics); Business Information Systems	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-7908-1347-0
Fuzzy Logic Techniques for Autonomous Vehicle Navigation	Dimitar Driankov, Alessandro Saffiotti	Engineering Economics, Organization, Logistics, Marketing; Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics)	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-7908-2479-7
Deep Fusion of Computational and Symbolic Processing	Takeshi Furuhashi, Shun'ichi Tano, Hans-Arno Jacobsen	Programming Techniques; Artificial Intelligence (incl. Robotics)	2001	http://link.springer.com/openurl?genre=book&isbn=978-3-662-00373-2
Quality Improvement with Design of Experiments	Ivan N. Vuchkov, Lidia N. Boyadjieva	Mathematical Modeling and Industrial Mathematics; Applications of Mathematics; Statistics, general; Engineering Economics, Organization, Logistics, Marketing; Optimization; Quality Control, Reliability, Safety and Risk	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-0392-9
Protection of Space Materials from the Space Environment	Jacob I. Kleiman, Roderick C. Tennyson	Automotive Engineering; Characterization and Evaluation of Materials; Polymer Sciences	2001	http://link.springer.com/openurl?genre=book&isbn=978-94-010-3838-6
IUTAM Symposium on Smart Structures and Struconic Systems	U. Gabbert, H. S. Tzou	Appl.Mathematics/Computational Methods of Engineering; Vibration, Dynamical Systems, Control; Mechanics; Electrical Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-94-010-3836-2
IUTAM Symposium on Free Surface Flows	A. C. King, Y. D. Shikhmurzaev	Engineering Fluid Dynamics; Mechanics; Vibration, Dynamical Systems, Control; Applications of Mathematics	2001	http://link.springer.com/openurl?genre=book&isbn=978-94-010-3854-6
IUTAM Symposium on Nonlinearity and Stochastic Structural Dynamics	S. Narayanan, R. N. Iyengar	Probability Theory and Stochastic Processes; Vibration, Dynamical Systems, Control; Mechanics; Quality Control, Reliability, Safety and Risk	2001	http://link.springer.com/openurl?genre=book&isbn=978-94-010-3808-9
Fibre Metal Laminates	Ad Vlot, Jan Willem Gunnink	Automotive Engineering; Characterization and Evaluation of Materials	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-0391-2
Polymer Composite Materials — Interface Phenomena & Processes	Yatchko Ivanov, Valerii Cheshkov, Margarita Natova	Characterization and Evaluation of Materials; Physical Chemistry; Mechanics	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-0386-8
Three-Dimensional Contact Problems	V. M. Alexandrov, D. A. Pozharskii	Mechanics; Appl.Mathematics/Computational Methods of Engineering	2001	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-0387-5
IUTAM Symposium on Creep in Structures	S. Murakami, N. Ohno	Mechanics	2001	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5623-8
Multi-Hierarchical Representation of Large-Scale Space	Juan A. Fernández, Javier González	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Discrete Mathematics in Computer Science; Theory of Computation	2001	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5861-4
IUTAM Symposium on Scaling Laws in Ice Mechanics and Ice Dynamics	J. P. Dempsey, H. H. Shen	Mechanics; Atmospheric Sciences; Vibration, Dynamical Systems, Control; Civil Engineering; Probability Theory and Stochastic Processes	2001	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5890-4
IUTAM/IACM/IABEM Symposium on Advanced Mathematical and Computational Mechanics Aspects of the Boundary Element Method	Tadeusz Burczynski	Appl.Mathematics/Computational Methods of Engineering; Applications of Mathematics; Computational Mathematics and Numerical Analysis; Mechanics	2001	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5737-2
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Wireless Personal Communications	William H. Tranter, Brian D. Woerner, Theodore S. Rappaport, Jeffrey H. Reed	Electrical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7705-4
SOI Circuit Design Concepts	Kerry Bernstein, Norman J. Rohrer	Electrical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-387-74099-7
High Frequency Continuous Time Filters in Digital CMOS Processes	Shanthi Pavan, Yannis Tsividis	Circuits and Systems; Electrical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7773-3

High Performance Computing Systems and Applications	Andrew Pollard, Douglas J. K. Mewhort, Donald F. Weaver	Processor Architectures; Theory of Computation; Data Structures, Cryptology and Information Theory; Theoretical, Mathematical and Computational Physics; Computer Communication Networks	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7774-0
Principles of Verifiable RTL Design	Lionel Bening, Harry Foster	Circuits and Systems; Computer Hardware; Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7788-7
Performance Evaluation and Applications of ATM Networks	Demetres Kouvatsos	Computer Communication Networks; Electrical Engineering; Systems Theory, Control; Data Structures, Cryptology and Information Theory; Document Preparation and Text Processing	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7851-8
Digital Systems Design and Prototyping	Zoran Salcic, Asim Smailagic	Circuits and Systems; Electrical Engineering; Computer Hardware; Computer-Aided Engineering (CAD, CAE) and Design	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7920-1
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Multicarrier Modulation with Low PAR	Jose Tellado	Electrical Engineering; Signal, Image and Speech Processing	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7988-1
Wireless Location in CDMA Cellular Radio Systems	James J. Caffery	Electrical Engineering; Computer Communication Networks	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-7703-0
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Introduction to Contact Mechanics	Anthony C. Fischer-Cripps	Theoretical and Applied Mechanics	2000	http://link.springer.com/openurl?genre=book&isbn=978-0-387-98914-3
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Active Middleware Services	S. Hariri, C. A. Lee, C. S. Raghavendra	Computer Communication Networks; Operating Systems; Processor Architectures; Multimedia Information Systems	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-4657-9
Advanced Debugging Methods	Raimondas Lencevicius	Computer Science, general; Programming Languages, Compilers, Interpreters	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-4688-3
Adaptive 3D Sound Systems	John Garas	Signal, Image and Speech Processing; Multimedia Information Systems; Electrical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-4689-0
Differential Quadrature and Its Application in Engineering	Chang Shu	Appl. Mathematics/Computational Methods of Engineering; Analysis	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1132-0
Identification and Control of Sheet and Film Processes	Andrew P. Featherstone, Jeremy G. VanAntwerp, Richard D. Braatz	Industrial Chemistry/Chemical Engineering; Control, Robotics, Mechatronics; Surfaces and Interfaces, Thin Films	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1134-4
Control of Movement for the Physically Disabled	Dejan B. Popović, Thomas Sinkjær	Biomedical Engineering; Control, Robotics, Mechatronics	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1141-2
Robust Control Design Using H^∞ Methods	Ian R. Petersen, Valery A. Ugrinovskii, Andrey V. Savkin	Control; Computational Intelligence; Engineering Design	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1144-3
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Performance Guarantees in Communication Networks	Cheng-Shang Chang	Communications Engineering, Networks	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1147-4
Bounded Dynamic Stochastic Systems	Hong Wang	Industrial Chemistry/Chemical Engineering; Control, Robotics, Mechatronics; Probability Theory and Stochastic Processes	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1151-1
The Mathematics of Surfaces IX	Roberto Cipolla, Ralph Martin	Appl. Mathematics/Computational Methods of Engineering; Computational Mathematics and Numerical Analysis	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1153-5
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Computer Controlled Systems	Efim N. Rossenwasser, Bernhard P. Lampe	Control, Robotics, Mechatronics; Complexity	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-307-2

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Manufacturing and Supply Systems Management	B. Wu	Manufacturing, Machines, Tools; Mechanical Engineering; Engineering Economics, Organization, Logistics, Marketing	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1194-8
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Practical Optimization Methods	M. Asghar Bhatti	Appl.Mathematics/Computational Methods of Engineering; Applications of Mathematics; Optimization; Operation Research/Decision Theory	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-6791-1
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Heat, Bearings, and Lubrication	Ralph A. Burton	Theoretical and Applied Mechanics; Manufacturing, Machines, Tools	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7060-7
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Theory of Elasticity for Scientists and Engineers	Teodor M. Atanackovic, Ardeshir Guran	Engineering, general; Solid State Physics; Spectroscopy and Microscopy	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7097-3
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Discrete Event Systems	R. Boel, G. Stremersch	Discrete Mathematics in Computer Science; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7025-3
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Handbook of Multimodal and Spoken Dialogue Systems	Dafydd Gibbon, Inge Mertins, Roger K. Moore	Signal, Image and Speech Processing; Multimedia Information Systems; Computational Linguistics; Language Translation and Linguistics	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7029-1
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Distributed Manipulation	Karl F. Böhringer, Howie Choset	Electrical Engineering; Control, Robotics, Mechatronics; Mechanical Engineering; Artificial Intelligence (incl. Robotics)	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7051-2
Dependable Network Computing	Dimitar R. Avresky	Processor Architectures; Computer Communication Networks	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7053-6
Energy Economics: A Modern Introduction	Ferdinand E. Banks	Energy Economics; Energy Policy, Economics and Management; Environmental Economics; Economic Policy	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7054-3
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Coding and Iterative Detection for Magnetic Recording Channels	Zining Wu	Electrical Engineering; Signal, Image and Speech Processing	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7061-1
Information Systems Analysis and Modeling	Vladimir S. Lerner	Computer Science, general; Coding and Information Theory; Artificial Intelligence (incl. Robotics); Business Information Systems	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7098-7
Reliability, Maintenance and Logistic Support	U. Dinesh Kumar, John Crocker, J. Knezevic, M. El-Haram	Quality Control, Reliability, Safety and Risk; Mechanical Engineering; Special Purpose and Application-Based Systems	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7106-9
Information, Uncertainty and Fusion	Bernadette Bouchon-Meunier, Ronald R. Yager, Lotfi A. Zadeh	Mathematical Logic and Foundations; Microeconomics; Artificial Intelligence (incl. Robotics); Information Storage and Retrieval	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7373-5
System Theory	Theodore E. Djaferis, Irvin C. Schick	Electrical Engineering; Image Processing and Computer Vision; Mechanical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7380-3
Vision Chips	Alireza Moini	Computer Imaging, Vision, Pattern Recognition and Graphics; Electrical Engineering; Artificial Intelligence (incl. Robotics)	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7402-2
Geometric Constraints for Object Detection and Delineation	Jefferey Shufelt	Remote Sensing/Photogrammetry; Computer Imaging, Vision, Pattern Recognition and Graphics; Computer Graphics; Artificial Intelligence (incl. Robotics); Data Structures, Cryptology and Information Theory	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7405-3
Hardware Design and Petri Nets	Alex Yakovlev, Luis Gomes, Luciano Lavagno	Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design; Computing Methodologies	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4969-1
Bioelectricity	Robert Plonsey, Roger C. Barr	Biomedical Engineering; Evolutionary Biology; Neurosciences; Biophysics and Biological Physics; Cardiology	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-3154-5

Benefiting from Thermal and Mechanical Simulation in Micro-Electronics	G. Q. Zhang, L. J. Ernst, O. Saint Leger	Manufacturing, Machines, Tools; Mechanics; Optical and Electronic Materials; Electrical Engineering; Systems Theory, Control	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4873-1
High-Accuracy CMOS Smart Temperature Sensors	Anton Bakker, Johan Huijsing	Circuits and Systems; Electrical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4862-5
Intelligent Multimedia Multi-Agent Systems	Rajiv Khosla, Ishwar K. Sethi, Ernesto Damiani	Artificial Intelligence (incl. Robotics); Multimedia Information Systems; Software Engineering/Programming and Operating Systems; Information Systems Applications (incl. Internet); Statistical Physics, Dynamical Systems and Complexity	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5008-6
Analog Circuit Design	Rudy J. Plassche, Johan H. Huijsing, Willy Sansen	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5002-4
Cellular Neural Networks	Martin Hänggi, George S. Moschytz	Circuits and Systems; Electrical Engineering; Statistical Physics, Dynamical Systems and Complexity; Computer-Aided Engineering (CAD, CAE) and Design	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4988-2
Applied Plasticity	J. Chakrabarty	Theoretical and Applied Mechanics	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-3270-2
Numbers, Information and Complexity	Ingo Althöfer, Ning Cai, Gunter Dueck, Levon Khachatryan, Mark S. Pinsker, Andras Sárközy, Ingo Wegener, Zhen Zhang	Electrical Engineering; Discrete Mathematics in Computer Science; Theory of Computation; Combinatorics; Data Structures, Cryptology and Information Theory	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4967-7
Oil Economics and Policy	Alberto Cló	Energy Economics; International Economics; Economic Growth; Energy Policy, Economics and Management	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4991-2
Principles of Public and Private Infrastructure Delivery	John B. Miller	Civil Engineering; Engineering Design; Finance/Investment/Banking; Complexity	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4859-5
Research Perspectives on Dynamic Translinear and Log-Domain Circuits	Wouter A. Serdijn, Jan Mulder	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4973-8
Switched-Current Signal Processing and A/D Conversion Circuits	Bengt E. Jonsson	Circuits and Systems; Electrical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4986-8
Experimental Robotics VI	Peter Corke, James Trevelyan	Engineering Economics, Organization, Logistics, Marketing; Complexity	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-210-5
An introduction to hybrid dynamical systems	Arjan Schaft, Hans Schumacher	Computational Intelligence; Systems Theory, Control	2000	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-233-4
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Flexible-link robot manipulators	M. Moallem, R. V. Patel, K. Khorasani		2000	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-333-1
Hierarchical nonlinear switching control design with applications to propulsion systems	Alexander Leonessa, Wassim M. Haddad, VijaySekhar Chellaboina		2000	http://link.springer.com/openurl?genre=book&isbn=978-1-85233-335-5
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A Calculus of Distributed and Parallel Processes	Clemens H. Cap	Engineering, general	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-322-86765-0
Statics of Rods	Valery A. Svetlitsky	Continuum Mechanics and Mechanics of Materials; Computational Intelligence; Mechanics	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-53646-5
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Stability of Elastic Structures	N. A. Alfutov	Continuum Mechanics and Mechanics of Materials; Computational Intelligence; Mechanics	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08498-0
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Laser Techniques Applied to Fluid Mechanics	R. J. Adrian, D. F. G. Durão, F. Durst, M. V. Heitor, M. Maeda, J. H. Whitelaw	Engineering, general; Thermodynamics; Measurement Science and Instrumentation	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63087-3
Mechanics in Material Space	Reinhold Kienzler, George Herrmann	Continuum Mechanics and Mechanics of Materials; Mechanics; Characterization and Evaluation of Materials; Condensed Matter Physics	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-63121-4
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Dictionary of Electronics, Computing and Telecommunications/Wörterbuch der Elektronik, Datentechnik und Telekommunikation	Vittorio Ferretti	Electrical Engineering; Electronics and Microelectronics, Instrumentation; Communications Engineering, Networks; Software Engineering/Programming and Operating Systems; Input/Output and Data Communications; Business Information Systems	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-98092-3
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Dynamics of Droplets	Arnold Frohn, Norbert Roth	Engineering, general; Fluid- and Aerodynamics	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08516-1
Intelligent Observer and Control Design for Nonlinear Systems	Dierk Schröder	Control, Robotics, Mechatronics; Vibration, Dynamical Systems, Control; Systems Theory, Control	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08346-4
Technology and Applications of Amorphous Silicon	Robert A. Street	Electronics and Microelectronics, Instrumentation; Optical and Electronic Materials; Characterization and Evaluation of Materials	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08499-7
Technology of Integrated Circuits	Dietrich Widmann, Hermann Mader, Hans Friedrich, Walter Heywang, Rudolf Müller	Electronics and Microelectronics, Instrumentation; Optical and Electronic Materials; Industrial Chemistry/Chemical Engineering	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08547-5
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Digital Filters	Dietrich Schlichthärle	Signal, Image and Speech Processing; Control, Robotics, Mechatronics	2000	http://link.springer.com/openurl?genre=book&isbn=978-3-642-08611-3

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Eroica	J. Ph. Poley	Geoengineering, Foundations, Hydraulics; Historical Geology; History; Economic Geology	2000	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5418-0
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Nonlinear Crack Models for Nonmetallic Materials	Alberto Carpinteri	Mechanics; Characterization and Evaluation of Materials	1999	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5977-0
IUTAM Symposium on Non-linear Singularities in Deformation and Flow	D. Durban, J. R. A. Pearson	Continuum Mechanics and Mechanics of Materials; Mechanics	1999	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5991-6
IUTAM Symposium on Variations of Domain and Free-Boundary Problems in Solid Mechanics	P. Argoul, M. Frémond, Q. S. Nguyen	Mechanics; Applications of Mathematics; Continuum Mechanics and Mechanics of Materials; Appl.Mathematics/Computational Methods of Engineering; Partial Differential Equations	1999	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5992-3
Transfer Phenomena in Magnetohydrodynamic and Electroconducting Flows	A. Alemany, Ph. Marty, J. P. Thibault	Engineering Fluid Dynamics; Electrochemistry; Mechanics; Physical Chemistry	1999	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6002-8
Protection of Materials and Structures from the Low Earth Orbit Space Environment	Jacob I. Kleiman, Roderick C. Tennyson	Automotive Engineering; Characterization and Evaluation of Materials; Ceramics, Glass, Composites, Natural Materials; Polymer Sciences	1999	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6004-2

Risk Engineering	Adrian V. Gheorghe, Ralf Mock	Quality Control, Reliability, Safety and Risk; Operation Research/Decision Theory; Mathematical Logic and Foundations; Atmospheric Protection/Air Quality Control/Air Pollution; Engineering Economics, Organization, Logistics, Marketing	1999	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6010-3
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Advances in Intelligent Systems	Spyros G. Tzafestas	Image Processing and Computer Vision; Artificial Intelligence (incl. Robotics); Signal, Image and Speech Processing; Information Storage and Retrieval	1999	http://link.springer.com/openurl?genre=book&isbn=978-1-4020-0393-6
IUTAM Symposium on New Applications of Nonlinear and Chaotic Dynamics in Mechanics	Francis C. Moon	Vibration, Dynamical Systems, Control; Classical Continuum Physics; Automotive Engineering	1999	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6235-0
Rock Mechanics	B. H. G. Brady, E. T. Brown	Geoenvironmental Engineering, Foundations, Hydraulics; Mineralogy; Geotechnical Engineering & Applied Earth Sciences	1999	http://link.springer.com/openurl?genre=book&isbn=978-0-412-47550-4
Optimization of Dynamic Systems	Sunil Kumar Agrawal, Brian C. Fabien	Mechanical Engineering; Automotive Engineering	1999	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5205-6
IUTAM Symposium on Statistical Energy Analysis	F. J. Fahy, W. G. Price	Vibration, Dynamical Systems, Control; Appl. Mathematics/Computational Methods of Engineering; Mechanics	1999	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5131-8
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Integrated Design and Manufacturing in Mechanical Engineering '98	Jean-Louis Batoz, Patrick Chedmail, Gerard Cognet, Clément Fortin	Engineering Design; Production/Logistics/Supply Chain Management; Mechanical Engineering	1999	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5342-8
Rheology of Filled Polymer Systems	Aroon V. Shenoy	Continuum Mechanics and Mechanics of Materials; Polymer Sciences; Theoretical and Applied Mechanics; Characterization and Evaluation of Materials; Mechanics	1999	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4029-9
Dynamics of Bubbles, Drops and Rigid Particles	Z. Zapryanov, S. Tabakova	Engineering Fluid Dynamics; Condensed Matter Physics; Mechanics; Industrial Chemistry/Chemical Engineering; Fluid- and Aerodynamics	1999	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5130-1
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Global Consistency of Tolerances	Fred Houten, Hubert Kals	Engineering Design; Manufacturing, Machines, Tools; Computer-Aided Engineering (CAD, CAE) and Design; Computing Methodologies	1999	http://link.springer.com/openurl?genre=book&isbn=978-90-481-5198-1
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The Boundary-Scan Handbook	Kenneth P. Parker	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1998	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-8277-5
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Digital Systems Design and Prototyping Using Field Programmable Logic	Zoran Salcic, Asim Smailagic	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7807-5
Hardware-Software Co-Design of Embedded Systems	Felice Balarin, Massimiliano Chiodo, Paolo Giusto, Harry Hsieh, Attila Jurecska, Luciano Lavagno, Claudio Passerone, Alberto Sangiovanni-Vincentelli, Ellen Sentovich, Kei Suzuki, Bassam Tabbara	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7808-2
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Leaf Cell and Hierarchical Compaction Techniques	Cyrus Bamji, Ravi Varadarajan	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7813-6
Optimization in Quality Control	Khaled S. Al-Sultan, M. A. Rahim	Quality Control, Reliability, Safety and Risk; Production/Logistics/Supply Chain Management; Calculus of Variations and Optimal Control; Optimization; Probability Theory and Stochastic Processes	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7819-8
Networking Security and Standards	Weidong Kou	Computer Communication Networks; Management of Computing and Information Systems; Data Structures, Cryptology and Information Theory; Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7820-4
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Planning and Architectural Design of Modern Command Control Communications and Information Systems	A. Nejat Ince, Cem Evrendilek, Dag Wilhelmsen, Fadil Gezer	Electrical Engineering; Computer Communication Networks	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7823-5
Real-Time Database Systems	Azer Bestavros, Kwei-Jay Lin, Sang Hyuk Son	Special Purpose and Application-Based Systems; Data Structures, Cryptology and Information Theory; Processor Architectures	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7824-2
Multimedia Information Retrieval	Peter Schäuble	Multimedia Information Systems; Information Storage and Retrieval; Data Structures, Cryptology and Information Theory; Computer Science, general	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7825-9
Asymptotic Combinatorial Coding Theory	Volodia Blinovsky	Electrical Engineering; Combinatorics; Discrete Mathematics in Computer Science	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7839-6
Image and Video Compression Standards	Vasudev Bhaskaran, Konstantinos Konstantinides	Image Processing and Computer Vision; Electrical Engineering; Processor Architectures; Signal, Image and Speech Processing	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7842-6
Switched-Current Design and Implementation of Oversampling A/D Converters	Nianxiong Tan	Circuits and Systems; Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7846-4
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Multi-Carrier Spread-Spectrum	Khaled Fazel, Gerhard P. Fettweis	Electrical Engineering; Computer Communication Networks; Multimedia Information Systems	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7858-7
Reasoning with Complex Cases	Friedrich Gebhardt, Angi Voß, Wolfgang Gräther, Barbara Schmidt-Belz	Artificial Intelligence (incl. Robotics); Information Storage and Retrieval	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7859-4
Multimedia Database Management Systems	B. Prabhakaran	Multimedia Information Systems; Data Structures, Cryptology and Information Theory; Computer Communication Networks; Information Storage and Retrieval	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7860-0
Wireless Personal Communications	Jeffrey H. Reed, Theodore S. Rappaport, Brian D. Woerner	Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7861-7
Video Data Compression for Multimedia Computing	Hua Harry Li, Shan Sun, Haluk Derin	Multimedia Information Systems; Signal, Image and Speech Processing; Electrical Engineering; Computer Imaging, Vision, Pattern Recognition and Graphics	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7862-4
Motion Estimation Algorithms for Video Compression	Borko Furht, Joshua Greenberg, Raymond Westwater	Multimedia Information Systems; Electrical Engineering; Signal, Image and Speech Processing; Computer Science, general	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7863-1
Using WAVES and VHDL for Effective Design and Testing	James P. Hanna, Robert G. Hillman, Herb L. Hirsch, Tim H. Noh, Ranga R. Vemuri	Circuits and Systems; Computer Hardware; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7864-8

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Communications, Computation, Control, and Signal Processing	Arogyaswami Paulraj, Vwani Roychowdhury, Charles D. Schaper	Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7883-9
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The Economics of Conservation Programs	Franz Wirl	Energy Economics; Environmental Economics; Electrical Engineering; Industrial Organization	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7893-8
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Solid Freeform Fabrication: A New Direction in Manufacturing	Joseph J. Beaman, Joel W. Barlow, David L. Bourell, Richard H. Crawford, Harris L. Marcus, Kevin P. McAlea	Manufacturing, Machines, Tools; Systems Theory, Control; Automotive Engineering; Characterization and Evaluation of Materials	1997	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-9834-9
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Integrated Product, Process and Enterprise Design	Ben Wang	Engineering Design; Production/Logistics/Supply Chain Management	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7932-4
Intelligent knowledge based systems in electrical power engineering	J. R. McDonald, G. M. Burt, J. S. Zielinski, S. D. J. McArthur	Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-7934-8
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Centrifugal Pumps	Igor J. Karassik, Terry McGuire	Mechanical Engineering; Civil Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4615-6606-9
Fundamentals of Power Electronics	Robert W. Erickson	Power Electronics, Electrical Machines and Networks; Science, general	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4615-7648-8
Structural Dynamics	Mario Paz	Civil Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-0020-5
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Analog Circuit Design	Rudy J. Plassche, Hohan H. Huijsing, Willy Sansen	Circuits and Systems; Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5185-4
Wireless Communications	Savo G. Glisic, Pentti A. Leppänen	Electrical Engineering; Processor Architectures; Signal, Image and Speech Processing	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5017-8
Silicon-on-Insulator Technology: Materials to VLSI	Jean-Pierre Colinge	Circuits and Systems; Electrical Engineering; Optical and Electronic Materials	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-2613-8
Synthesis of Finite State Machines	Timothy Kam, Tiziano Villa, Robert Brayton, Alberto Sangiovanni-Vincentelli	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5170-0
VHDL Answers to Frequently Asked Questions	Ben Cohen	Circuits and Systems; Computer Hardware; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-2626-8
Hardware/Software Co-Design and Co-Verification	Jean-Michel Bergé, Oz Levia, Jacques Rouillard	Circuits and Systems; Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering; Software Engineering/Programming and Operating Systems	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5159-5
Hardware/Software Co-Design: Principles and Practice	Jørgen Staunstrup, Wayne Wolf	Circuits and Systems; Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering; Software Engineering/Programming and Operating Systems	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5018-5
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Algorithms for Discrete Fourier Transform and Convolution	Richard Tolimieri, Chao Lu, Myoung An	Engineering, general	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-3115-3
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Integrated M/E Design	Anil Ahuja	Civil Engineering; Manufacturing, Machines, Tools; Mechanical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-4724-6
Loudspeaker Handbook	John M. Eargle	Circuits and Systems; Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-5682-1
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Directions for the Next Generation of MMIC Devices and Systems	Nirod K. Das, Henry L. Bertoni	Electrical Engineering; Magnetism, Magnetic Materials	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4899-1482-8
Synchronization Techniques for Digital Receivers	Umberto Mengali, Aldo N. D'Andrea	Electrical Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-1-4899-1809-3
Neural Network Models	Philippe Wilde	Electrical Engineering; Artificial Intelligence (incl. Robotics)	1997	http://link.springer.com/openurl?genre=book&isbn=978-3-540-76129-7
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Workshop on High Performance Computing and Gigabit Local Area Networks	G. Cooperman, G. Michler, H. Vinck	Control, Robotics, Mechatronics; Computer Communication Networks; Complexity	1997	http://link.springer.com/openurl?genre=book&isbn=978-3-540-76169-3

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Direct and Large-Eddy Simulation II	Jean-Pierre Chollet, Peter R. Voke, Leonhard Kleiser	Mechanics; Appl.Mathematics/Computational Methods of Engineering	1997	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6370-8
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Methods of Fracture Mechanics: Solid Matter Physics	G. P. Cherepanov	Mechanics; Condensed Matter Physics; Characterization and Evaluation of Materials	1997	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4794-6
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Fault-Tolerant Real-Time Systems	Stefan Poledna	Special Purpose and Application-Based Systems; Processor Architectures; Computer Science, general	1996	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-9657-4
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Self-Complementary Antennas	Yasuto Mushiake	Communications Engineering, Networks	1996	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1255-6
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The TSQL2 Temporal Query Language	Richard T. Snodgrass	Data Structures, Cryptology and Information Theory	1995	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-5966-1
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Hydrodynamic Propulsion and Its Optimization	J. A. Sparenberg	Engineering Fluid Dynamics; Offshore Engineering; Mechanics; Machinery and Machine Elements	1995	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4484-6
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Offshore Structures	Günther Clauss, Eike Lehmann, Carsten Østergaard	Automotive Engineering; Building Construction; Oceanography	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2000-1
Materials in Marine Technology	Robert L. Reuben	Automotive Engineering; Electronics and Microelectronics, Instrumentation; Construction Management; Geoengineering, Foundations, Hydraulics	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2013-1
Practical Knowledge-Based Systems in Conceptual Design	John C. Miles, Carolynne J. Moore	Civil Engineering; Computer Hardware; Software Engineering/Programming and Operating Systems; Engineering Design	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2044-5
Differential Games	Joseph Lewin	Appl.Mathematics/Computational Methods of Engineering; Economic Theory	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2067-4
Microcomputer-Based Adaptive Control Applied to Thyristor-Driven DC-Motors	Ulrich Keuchel, Richard M. Stephan	Control	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2078-0
AutoCAD for Windows Express	Timothy J. McCarthy	Engineering Design; Computer-Aided Engineering (CAD, CAE) and Design; Construction Management	1994	http://link.springer.com/openurl?genre=book&isbn=978-3-540-19865-9
Modern Manufacturing	Marek B. Zaremba, Biren Prasad	Manufacturing, Machines, Tools; Organization/Planning; Artificial Intelligence (incl. Robotics); Appl.Mathematics/Computational Methods of Engineering	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2103-9
Expert Aided Control System Design	Colin D. Tebbutt	Control; Artificial Intelligence (incl. Robotics)	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2106-0
Robust Multivariable Flight Control	Richard J. Adams, James M. Buffington, Andrew G. Sparks, Siva S. Banda	Control; Aerospace Technology and Astronautics	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2113-8
Modelling and Simulation of Power Generation Plants	Andrzej W. Ordys, A. W. Pike, Michael A. Johnson, Reza M. Katebi, Michael J. Grimbale	Control	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-2116-9
Scrambling Techniques for Digital Transmission	Byeong Lee, Seok Chang Kim	Communications Engineering, Networks; Electronics and Microelectronics, Instrumentation	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-3233-2

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Kinematic and Dynamic Simulation of Multibody Systems	Javier García de Jalón, Eduardo Bayo	Mechanics	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7601-2
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Nuclear Reactor Engineering	Samuel Glasstone, Alexander Sesonske	Electrical Engineering; Mechanical Engineering; Biotechnology; Nuclear Physics, Heavy Ions, Hadrons	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-5866-4
Ultra-High-Temperature Processing of Milk and Milk Products	H. Burton	Industrial and Production Engineering; Agriculture; Science, general	1994	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-5901-2
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Transition, Turbulence, and Noise	Reda R. Mankbadi	Mechanics; Classical Continuum Physics; Automotive Engineering	1994	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-9481-5
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Sol-Gel Optics	Lisa C. Klein	Characterization and Evaluation of Materials	1994	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-9424-2
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Artificial Neural Networks for Intelligent Manufacturing	Cihan H. Dagli	Manufacturing, Machines, Tools; Artificial Intelligence (incl. Robotics)	1994	http://link.springer.com/openurl?genre=book&isbn=978-94-010-4307-6
Biomaterials, Medical Devices and Tissue Engineering: An Integrated Approach	Frederick H. Silver	Biomedical Engineering; Surgery; Medical Biochemistry; Characterization and Evaluation of Materials	1994	http://link.springer.com/openurl?genre=book&isbn=978-94-010-4316-8
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Learning and Coordination	Steven H. Kim	Artificial Intelligence (incl. Robotics); Manufacturing, Machines, Tools; Mechanical Engineering; Production/Logistics/Supply Chain Management	1994	http://link.springer.com/openurl?genre=book&isbn=978-94-010-4442-4
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Hydrometallurgy '94	Institution of Mining and Metallurgy and the Society of Chemical Industry	Geoengineering, Foundations, Hydraulics; Geotechnical Engineering & Applied Earth Sciences; Hydrogeology; Atmospheric Protection/Air Quality Control/Air Pollution; Metallic Materials	1994	http://link.springer.com/openurl?genre=book&isbn=978-94-010-4532-2
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Advanced Multibody System Dynamics	Werner Schiehlen	Mechanics; Mechanical Engineering; Computer Science, general; Numeric Computing; Mathematical Modeling and Industrial Mathematics	1993	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4253-8
An Introduction to Continuum Mechanics — after Truesdell and Noll	Donald R. Smith	Engineering, general; Mechanics; Analysis; Mechanical Engineering	1993	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4314-6
Shaped Crystal Growth	Y. A. Tatarchenko	Engineering, general; Physical Chemistry; Condensed Matter Physics; Characterization and Evaluation of Materials	1993	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4307-8
Shock Dynamics	Zhaoyuan Han, Xiezheng Yin	Engineering Fluid Dynamics; Classical Continuum Physics; Mechanics; Automotive Engineering	1993	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4159-3
The Finite Element Method in Structural Mechanics	G. Prathap	Engineering, general; Appl. Mathematics/Computational Methods of Engineering; Numeric Computing	1993	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4326-9

Electronic Properties of Materials	Rolf E. Hummel	Electrical Engineering; Materials Science, general; Solid State Physics	1993	http://link.springer.com/openurl?genre=book&isbn=978-81-7319-021-6
Real-Time Systems Engineering and Applications	Michael Schiebe, Saskia Pferrer	Special Purpose and Application-Based Systems; Operating Systems; Electrical Engineering; Computer Science, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-9196-8
Public Data Networks	Josef Pužman, Boris Kubín	Communications Engineering, Networks; Input/Output and Data Communications; Computer Communication Networks	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-19580-1
Solar Energy Thermal Technology	Brian Norton	Energy Economics; Power Electronics, Electrical Machines and Networks; Manufacturing, Machines, Tools	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1744-5
Numerical Modelling of Material Deformation Processes	Peter Hartley, Ian Pillinger, Clive Sturgess	Mechanical Engineering; Manufacturing, Machines, Tools; Characterization and Evaluation of Materials	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1747-6
Cardiovascular Biomaterials	Garth W. Hastings	Biomedical Engineering; Cardiac Surgery; Vascular Surgery; Characterization and Evaluation of Materials	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1849-7
Cure of Thermosetting Resins	J.-W. Vergnaud, J. Bouzon	Manufacturing, Machines, Tools; Polymer Sciences; Operating Procedures, Materials Treatment; Characterization and Evaluation of Materials; Industrial Chemistry/Chemical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1917-3
Parallel Processing in Digital Control	D. Fabian Garcia Nocetti, Peter J. Fleming	Control; Engineering Economics, Organization, Logistics, Marketing; Artificial Intelligence (incl. Robotics)	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1947-0
Parallel Processing for Jet Engine Control	Haydn A. Thompson	Control; Aerospace Technology and Astronautics; Computer Hardware; Software Engineering/Programming and Operating Systems; Complexity	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-1974-6
Rotordynamics '92	Michael J. Goodwin	Engineering Design; Mechanics; Machinery and Machine Elements	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-19754-6
Offshore Structures	Günther Clauss, Eike Lehmann, Carsten Østergaard	Building Construction; Oceanography	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-3195-3
Model Order Reduction Techniques with Applications in Electrical Engineering	L. Fortuna, G. Nunnari, A. Gallo	Control; Appl.Mathematics/Computational Methods of Engineering; Engineering Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-3200-4
AutoCAD Express	Timothy J. McCarthy	Engineering Design; Computer-Aided Engineering (CAD, CAE) and Design; Construction Management	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-19748-5
Advances in Hypersonics	John J. Bertin, Jacques Periaux, Josef Ballmann	Aerospace Technology and Astronautics; Science, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-6732-4
Advances in Hypersonics	John J. Bertin, Jacques Periaux, Josef Ballmann	Aerospace Technology and Astronautics; Science, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-6734-8
Quattro Pro® for Scientific and Engineering Spreadsheets	Robert G. Parks	Complexity; Computer-Aided Engineering (CAD, CAE) and Design; Health Informatics; Computer Appl. in Life Sciences; Mathematical and Computational Biology; Statistics for Life Sciences, Medicine, Health Sciences	1992	http://link.springer.com/openurl?genre=book&isbn=978-0-387-97636-5
Algebraic Methods for Signal Processing and Communications Coding	Richard E. Blahut	Communications Engineering, Networks	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7687-6
The Industrial Laser Handbook	David Belforte, Morris Levitt	Engineering Economics, Organization, Logistics, Marketing; Engineering, general; Control, Robotics, Mechatronics	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7707-1
Electromagnetic Devices for Motion Control and Signal Processing	Yuly M. Pulyer	Electronics and Microelectronics, Instrumentation	1992	http://link.springer.com/openurl?genre=book&isbn=978-0-387-97827-7
Analysis of Material Removal Processes	Warren R. DeVries	Mechanics; Organization/Planning; Characterization and Evaluation of Materials	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8759-9
Lateral Electromagnetic Waves	Ronold W. P. King, Margaret Owens, Tai Tsun Wu	Communications Engineering, Networks	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-9176-0
Guidelines for Sensory Analysis in Food Product Development and Quality Control	David H. Lyon, Mariko A. Francombe, Terry A. Hasdell, Ken Lawson	Quality Control, Reliability, Safety and Risk; Food Science	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-5825-1
Morphological Image Processing: Architecture and VLSI design	Petrus Paulus Jonker	Circuits and Systems; Image Processing and Computer Vision; Electrical Engineering; Signal, Image and Speech Processing	1992	http://link.springer.com/openurl?genre=book&isbn=978-90-201-2766-9
Developments in Partial Differential Equations and Applications to Mathematical Physics	G. Buttazzo, G. P. Galdi, L. Zanghirati	Appl.Mathematics/Computational Methods of Engineering; Theoretical, Mathematical and Computational Physics	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6322-4
An Introduction to Trenchless Technology	Steven R. Kramer, William J. McDonald, James C. Thomson	Geoenvironment, Foundations, Hydraulics; Geotechnical Engineering & Applied Earth Sciences; Geology	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6334-7

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Data Communications Principles	Richard D. Gitlin, Jeremiah F. Hayes, Stephen B. Weinstein	Electrical Engineering; Computer Communication Networks	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6448-1
Simulation of Communication Systems	Michel C. Jeruchim, Philip Balaban, K. Sam Shanmugan	Electrical Engineering; Computer Communication Networks; Complexity	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6451-1
Laser Interaction and Related Plasma Phenomena	George H. Miley, Heinrich Hora	Electrical Engineering; Nuclear Physics, Heavy Ions, Hadrons; Classical Continuum Physics; Nuclear Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6464-1
Review of Progress in Quantitative Nondestructive Evaluation	Donald O. Thompson, Dale E. Chimenti	Electrical Engineering; Optical and Electronic Materials; Characterization and Evaluation of Materials	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6474-0
Economics of Advanced Manufacturing Systems	Hamid R. Parsaei, Anil Mital	Engineering Design; Economics general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6542-6
VHDL Designer's Reference	Jean-Michel Bergé, Alain Fonkoua, Serge Maginot, Jacques Rouillard	Circuits and Systems; Electrical Engineering; Computer Hardware	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6551-8
Teacher's Manual for Building Construction and Design	James Ambrose	Building Construction; Biomedicine general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6565-5
Solder Paste in Electronics Packaging	Jennie S. Hwang	Circuits and Systems; Industrial and Production Engineering; Electrical Engineering; Science, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-0-442-01353-0
Fine Pitch Surface Mount Technology	Phil P. Marcoux	Circuits and Systems; Control Structures and Microprogramming; Manufacturing, Machines, Tools; Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-0-442-00862-8
Electronic CAD Frameworks	Timothy J. Barnes, David Harrison, A. Richard Newton, Rick L. Spickelmier	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6580-8
VHDL for Simulation, Synthesis and Formal Proofs of Hardware	Jean Mermet	Circuits and Systems; Electrical Engineering; Computer Hardware	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6582-2
Sequence Detection for High-Density Storage Channels	Jaekyun Moon, L. Richard Carley	Circuits and Systems; Electrical Engineering; Signal, Image and Speech Processing	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6583-9
Qualitative Motion Understanding	Wilhelm Burger, Bir Bhanu	Computer Imaging, Vision, Pattern Recognition and Graphics; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics; Image Processing and Computer Vision	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6584-6
Intelligent Robotic Systems: Theory, Design and Applications	Kimón P. Valavanis, George N. Saridis	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Electrical Engineering; Statistical Physics, Dynamical Systems and Complexity	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6585-3
Anatomy of a Silicon Compiler	Robert W. Brodersen	Circuits and Systems; Electrical Engineering; Signal, Image and Speech Processing	1992	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-9249-1
Field-Programmable Gate Arrays	Stephen D. Brown, Robert J. Francis, Jonathan Rose, Zvonko G. Vranesic	Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6587-7
A General Model of Legged Locomotion on Natural Terrain	David J. Manko	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6588-4
The SECD Microprocessor	Brian T. Graham	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design; Computing Methodologies	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6589-1
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Image and Text Compression	James A. Storer	Electrical Engineering; Processor Architectures; Computer Communication Networks; Signal, Image and Speech Processing	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6598-3
Assessing Fault Model and Test Quality	Kenneth M. Butler, M. Ray Mercer	Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6602-7
Matrix Computations on Systolic-Type Arrays	Jaime H. Moreno, Tomás Lang	Circuits and Systems; Signal, Image and Speech Processing; Electrical Engineering; Processor Architectures	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6604-1
Fault Covering Problems in Reconfigurable VLSI Systems	Ran Libeskind-Hadas, Nany Hasan, Jason Cong, Philip K. McKinley, C. L. Liu	Electrical Engineering; Processor Architectures	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6606-5
Multidimensional Processing of Video Signals	Giovanni L. Sicuranza, Sanjit K. Mitra	Circuits and Systems; Signal, Image and Speech Processing; Electrical Engineering; Computer Imaging, Vision, Pattern Recognition and Graphics	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6607-2

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Adaptive Parsing	Jill Fain Lehman	Artificial Intelligence (incl. Robotics)	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6610-2
Layout Minimization of CMOS Cells	Robert L. Maziasz, John P. Hayes	Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6611-9
Vector Quantization and Signal Compression	Allen Gersho, Robert M. Gray	Electrical Engineering; Signal, Image and Speech Processing	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6612-6
Sequential Logic Synthesis	Pranav Ashar, Srinivas Devadas, A. Richard Newton	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6613-3
Introduction to the Design of Transconductor-Capacitor Filters	Jaime E. Kardontchik	Circuits and Systems; Electrical Engineering; Signal, Image and Speech Processing	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6614-0
The Synthesis Approach to Digital System Design	Petra Michel, Ulrich Lauther, Peter Duzy	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6615-7
Intelligent Robotic Systems for Space Exploration	Alan A. Desrochers	Control, Robotics, Mechatronics; Electrical Engineering; Artificial Intelligence (incl. Robotics)	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6616-4
High — Level Synthesis	Daniel D. Gajski, Nikil D. Dutt, Allen C-H Wu, Steve Y-L Lin	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6617-1
An Introduction to Fuzzy Logic Applications in Intelligent Systems	Ronald R. Yager, Lotfi A. Zadeh	Artificial Intelligence (incl. Robotics); Mathematical Logic and Foundations; Control, Robotics, Mechatronics	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6619-5
Neural Network Parallel Computing	Yoshiyasu Takefuji	Circuits and Systems; Statistical Physics, Dynamical Systems and Complexity; Electrical Engineering; Computer Science, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6620-1
Sequential Logic Testing and Verification	Abhijit Ghosh, Srinivas Devadas, A. Richard Newton	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6622-5
Measurement of Image Velocity	David J. Fleet	Computer Imaging, Vision, Pattern Recognition and Graphics; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6623-2
Directed Sonar Sensing for Mobile Robot Navigation	John J. Leonard, Hugh F. Durrant-Whyte	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Computer Imaging, Vision, Pattern Recognition and Graphics	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6625-6
Optical Signal Processing	M. A. Fiddy, M. Nieto-Vesperinas	Signal, Image and Speech Processing; Optics, Optoelectronics, Plasmonics and Optical Devices; Electrical Engineering; Physics, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6791-8
Third Generation Wireless Information Networks	Sanjiv Nanda, David J. Goodman	Electrical Engineering; Computer Communication Networks	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6794-9
Optimal VLSI Architectural Synthesis	Catherine H. Gebotys, Mohamed I. Elmasry	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6797-0
An Introduction to Trenchless Technology	Steven R. Kramer, William J. McDonald, James C. Thomson	Geoen지니어ing, Foundations, Hydraulics; Geotechnical Engineering & Applied Earth Sciences; Science, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4615-7298-5
Steel Design for Engineers and Architects	David A. Fanella, Rene Amon, Bruce Knobloch, Atanu Mazumder	Civil Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4615-9731-5
Electromagnetics and Calculation of Fields	Nathan Ida, João P. A. Bastos	Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-0528-6
Handbook of Electronics Formulas, Symbols, and Definitions	John R. Brand	Circuits and Systems; Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-6493-1
Nonlinear System Dynamics	W. Richard Kolk, Robert A. Lerman	Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-6496-2
Contamination Control and Cleanrooms	Alvin Lieberman	Mechanical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-6514-3
The Construction Superintendent's Handbook	Sidney M. Levy	Civil Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-8496-0
Handbook of Recording Engineering	John Eargle	Signal, Image and Speech Processing; Music; Multimedia Information Systems; Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-1131-8
A Guide to VHDL	Stanley Mazor, Patricia Langstraat	Circuits and Systems; Electrical Engineering; Computer Hardware	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-2116-4

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Digital Speech Processing	A. Nejat Ince	Signal, Image and Speech Processing; Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5128-1
Manufacturing Systems	George Chrysosouris	Engineering Economics, Organization, Logistics, Marketing; Organization/Planning; Control, Robotics, Mechatronics	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-2215-4
Soils and Foundations for Architects and Engineers	Chester I. Duncan	Geoenvironment, Foundations, Hydraulics; Geotechnical Engineering & Applied Earth Sciences; Architecture, general; Civil Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-6547-2
Reliability Evaluation of Engineering Systems	Roy Billinton, Ronald N. Allan	Circuits and Systems; Electrical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4899-0687-8
Sensory Evaluation in Quality Control	Alejandra M. Muñoz, Gail Vance Cville, B. Thomas Carr	Quality Control, Reliability, Safety and Risk; Science, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-4899-2655-5
Mixture Formation in Spark-Ignition Engines	Hans Peter Lenz	Machinery and Machine Elements; Mechanical Engineering; Engineering, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-1-56091-188-3
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Combinatorial Algorithms for Integrated Circuit Layout	Thomas Lengauer	Engineering, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-322-92108-6
Integrated System for Intelligent Control	Ming Rao	Artificial Intelligence (incl. Robotics); Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-54913-0
Robust Control for Unstructured Perturbations — An Introduction	Peter Dorato, Luigi Fortuna, G. Muscato	Appl.Mathematics/Computational Methods of Engineering; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-54920-8
Guaranteed Estimates, Adaptation and Robustness in Control Systems	V. M. Kuntzevich, M. M. Lychak		1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-54925-3
Mechanics and Control	Janislaw M. Skowronski, Henryk Flashner, Ramesh S. Guttalu	Theoretical and Applied Mechanics; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-54954-3
Numerical Operations with Polynomial Matrices	Peter Stefanidis, Andrzej Piotr Papliński, Michael John Gibbard	Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-54992-5
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On Moment Theory and Controllability of One-Dimensional Vibrating Systems and Heating Processes	Werner Krabs	Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55102-7
Optimization-Based Computer-Aided Modelling and Design	Adriaan Jacobus Maria Beulens, Hans-Jürgen Sebastian	Software Engineering/Programming and Operating Systems; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization; Computer-Aided Engineering (CAD, CAE) and Design	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55135-5
Stability Analysis for Linear Repetitive Processes	Eric Rogers, David H. Owens	Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55264-2
Stochastic Partial Differential Equations and Their Applications	Boris L. Rozovskii, Richard B. Sowers	Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55292-5
Applied Stochastic Analysis	Ioannis Karatzas, Daniel Ocone	Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55296-3
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Positioning Systems	Christopher R. Drane	Appl.Mathematics/Computational Methods of Engineering; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55850-7

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Stochastic Theory and Adaptive Control	T. E. Duncan, B. Pasik-Duncan	Appl.Mathematics/Computational Methods of Engineering; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55962-7
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Nuclear Engineering	K. Almenas, R. Lee	Renewable and Green Energy; Nuclear Physics, Heavy Ions, Hadrons; Nuclear Fusion; Engineering, general; Waste Management/Waste Technology; Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-642-48878-8
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Engineering Reference Book on Energy and Heat	Verein Deutscher Ingenieure (VDI)	Energy Technology	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-642-51125-7
Coupled Boundary and Finite Element Methods for the Solution of the Dynamic Fluid-Structure Interaction Problem	Siamak Amini, Paul John Harris, David T. Wilton	Computational Intelligence; Fluid- and Aerodynamics	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55562-9
Current Topics in Biomedical Research	Reinhard Kurth, Walter K. Schwerdtfeger	Biomedical Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-642-77081-4
Degradation Phenomena on Polymeric Biomaterials	Heinrich Planck, Martin Dauner, Monika Renardy	Biomedical Engineering; Polymer Sciences; Surgical Orthopedics; Characterization and Evaluation of Materials	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-642-77565-9
Sliding Modes in Control and Optimization	Vadim I. Utkin	Control, Robotics, Mechatronics; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization; Appl.Mathematics/Computational Methods of Engineering	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-642-84381-5
ISDN The Integrated Services Digital Network	Peter Bocker	Communications Engineering, Networks; Electronics and Microelectronics, Instrumentation	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-642-84665-6
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Boundary Element Analysis of Nonhomogeneous Biharmonic Phenomena	Charles V. Camp, G. Steven Gipson	Appl.Mathematics/Computational Methods of Engineering; Fluid- and Aerodynamics; Mechanics; Numerical Analysis	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-540-55020-4
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Earth Observation Remote Sensing	Herbert J. Kramer	Automotive Engineering; Waste Management/Waste Technology; Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution; Atmospheric Protection/Air Quality Control/Air Pollution; Soil Science & Conservation; Noise Control	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-662-00522-4
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Contributions to Autonomous Mobile Systems	Andreas Graffunder, Rüdiger Hantsche, Irmfried Hartmann, Joerg Moebius, Zhiyun Ren, Matthias Boldin, Lutz Vietze	Engineering, general	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-528-06383-2
Nonlinear Analysis of Shells by Finite Elements	F. G. Rammerstorfer	Theoretical and Applied Mechanics; Building Construction; Automotive Engineering; Theoretical, Mathematical and Computational Physics; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1992	http://link.springer.com/openurl?genre=book&isbn=978-3-211-82416-0
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Dynamic Structure of Detonation in Gaseous and Dispersed Media	Anatoly A. Borissov	Engineering Fluid Dynamics; Mechanical Engineering; Mechanics; Physical Chemistry	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5571-0
Identification of Continuous-Time Systems	N. K. Sinha, G. P. Rao	Electrical Engineering; Systems Theory, Control; Analysis	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5576-5
Optimization of Cam Mechanisms	J. Angeles, C. S. López-Cajún	Mechanics; Mechanical Engineering; Renewable and Green Energy	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5583-3
Progress in Structural Engineering	Donald E. Grierson, Alberto Franchi, Paolo Riva	Civil Engineering; Mechanics	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5604-5
Tenth E.C. Photovoltaic Solar Energy Conference	A. Luque, G. Sala, W. Palz, G. Santos, P. Helm	Renewable and Green Energy	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5607-6
Current Trends in Concrete Fracture Research	Z. P. Bažant	Structural Mechanics; Mechanics; Civil Engineering	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5615-1
The Dual Reciprocity Boundary Element Method	P. W. Partridge, C. A. Brebbia, L. C. Wrobel	Mechanical Engineering	1991	http://link.springer.com/openurl?genre=book&isbn=978-1-85166-700-0
Computational Stochastic Mechanics	P. D. Spanos, C. A. Brebbia	Mechanical Engineering	1991	http://link.springer.com/openurl?genre=book&isbn=978-1-85166-698-0
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Problems of Nonlinear Deformation	E. I. Grigolyuk, V. I. Shalashilin	Theoretical and Applied Mechanics; Mechanics; Civil Engineering	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5681-6
Microprocessors in Robotic and Manufacturing Systems	Spyros G. Tzafestas	Control, Robotics, Mechatronics; Manufacturing, Machines, Tools; Electrical Engineering; Control Structures and Microprogramming	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5694-6
Foundations of Solid Mechanics	P. Karasudhi	Mechanics; Mechanical Engineering	1991	http://link.springer.com/openurl?genre=book&isbn=978-94-010-5695-3
Hydraulic and Electro-Hydraulic Control Systems	R. B. Walters	Electrical Engineering; Mechanical Engineering	1991	http://link.springer.com/openurl?genre=book&isbn=978-1-85166-556-3
Quality Procedures for Hardware and Software	David J. Smith, John S. Edge	Mechanical Engineering; Software Engineering/Programming and Operating Systems	1991	http://link.springer.com/openurl?genre=book&isbn=978-1-85166-550-1
Turbulence and Coherent Structures	O. Metais, M. Lesieur	Engineering Fluid Dynamics; Mechanics; Automotive Engineering; Appl.Mathematics/Computational Methods of Engineering	1991	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4063-3
Computer Controlled Systems	George A. Perdikaris	Mechanical Engineering; Systems Theory, Control	1991	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4100-5
Cordless Telecommunications in Europe	Wally H. W. Tuttlebee	Communications Engineering, Networks	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4471-3264-6
AutoCAD Express	Timothy J. McCarthy	Engineering Design; Computer-Aided Engineering (CAD, CAE) and Design	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-19590-0
Dynamic Stability of Suddenly Loaded Structures	George J. Simitses	Structural Mechanics; Theoretical and Applied Mechanics; Appl.Mathematics/Computational Methods of Engineering; Mechanics; Automotive Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7932-7
NMR: Principles and Applications to Biomedical Research	Jay W. Pettegrew	Biomedical Engineering; Biophysics and Biological Physics; Anthropology; Biotechnology	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7957-0
Maximum-Likelihood Deconvolution	Jerry M. Mendel	Communications Engineering, Networks	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7985-3
Introduction to Optimization of Structures	N. V. Banichuk	Engineering Design; Appl.Mathematics/Computational Methods of Engineering; Civil Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7988-4
Emerging Electromagnetic Medicine	Mary Ellen O'Connor, Richard H. C. Bentall, John C. Monahan	Biomedical Engineering; Surgery; Imaging / Radiology; Biophysics and Biological Physics	1990	http://link.springer.com/openurl?genre=book&isbn=978-0-387-97224-4
Multiple Access Protocols	Raphael Rom, Moshe Sidi	Communications Engineering, Networks; Computer Communication Networks; Input/Output and Data Communications	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7997-6
Biomechanics of Diarthrodial Joints	Anthony Ratcliffe, Savio L-Y. Woo, Van C. Mow	Biomedical Engineering; Orthopedics	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8015-6
Respiratory Biomechanics	Mary A. Farrell Epstein, James R. Ligas	Biomedical Engineering; Biophysics and Biological Physics	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8017-0
Rapid Reliability Assessment of VLSICs	A. P. Dorey, B. K. Jones, A. M. D. Richardson, Y. Z. Xu	Electrical Engineering; Optical and Electronic Materials	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7879-5
Scientific Computing on Supercomputers II	Jozef T. Devreese, Piet E. Camp	Appl.Mathematics/Computational Methods of Engineering; Theoretical, Mathematical and Computational Physics	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-7914-3
Principles of VLSI System Planning	Allen M. Dewey, Stephen W. Director	Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8029-3
Mixed-Mode Simulation	Resve A. Saleh, A. Richard Newton	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8030-9
Dough Rheology and Baked Product Texture	Hamed Faridi, Jon M. Faubion	Industrial and Production Engineering; Continuum Mechanics and Mechanics of Materials; Industrial Chemistry/Chemical Engineering; Food Science	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8207-5
ESD Program Management	G. Theodore Dangelmayer	Circuits and Systems; Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8500-7
Network Management and Control	Aaron Kershenbaum, Manu Malek, Mark Wall	Electrical Engineering; Computer Communication Networks	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8779-7
Algorithmic and Register-Transfer Level Synthesis: The System Architect's Workbench	D. E. Thomas, E. D. Lagnese, R. A. Walker, J. A. Nestor, J. V. Rajan, R. L. Blackburn	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8815-2

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Change of Representation and Inductive Bias	D. Paul Benjamin	Artificial Intelligence (incl. Robotics)	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8817-6
Testing and Reliable Design of CMOS Circuits	Niraj K. Jha, Sandip Kundu	Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8818-3
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Knowledge Acquisition: Selected Research and Commentary	Sandra Marcus	Artificial Intelligence (incl. Robotics)	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8821-3
Vision and Navigation	Charles E. Thorpe	Control, Robotics, Mechatronics; Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8822-0
Introduction to Analog VLSI Design Automation	Mohammed Ismail, José Franca	Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8823-7
Parallel Architectures and Parallel Algorithms for Integrated Vision Systems	Alok N. Choudhary, Janak H. Patel	Computer Imaging, Vision, Pattern Recognition and Graphics; Processor Architectures; Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics)	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8825-1
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Task-Directed Sensor Fusion and Planning	Gregory D. Hager	Control, Robotics, Mechatronics; Computer Imaging, Vision, Pattern Recognition and Graphics; Artificial Intelligence (incl. Robotics)	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8828-2
Handbook of Tables for Elliptic-Function Filters	Kendall L. Su	Circuits and Systems; Electrical Engineering; Signal,Image and Speech Processing	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8829-9
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Automatic Programming Applied to VLSI CAD Software: A Case Study	Dorothy E. Setliff, Rob A. Rutenbar	Circuits and Systems; Software Engineering/Programming and Operating Systems; Computer-Aided Engineering (CAD, CAE) and Design; Electrical Engineering; Artificial Intelligence (incl. Robotics)	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8831-2
Computer Analysis of Visual Textures	Fumiaki Tomita, Saburo Tsuji	Computer Imaging, Vision, Pattern Recognition and Graphics; Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics); Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8832-9
Models for Large Integrated Circuits	Patrick Dewilde, Zhen-Qui Ning	Electrical Engineering; Signal,Image and Speech Processing	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8833-6
Incremental Version-Space Merging: A General Framework for Concept Learning	Haym Hirsh	Artificial Intelligence (incl. Robotics)	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8834-3
A Systolic Array Parallelizing Compiler	Ping-Sheng Tseng	Processor Architectures; Signal,Image and Speech Processing	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8835-0
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Source Coding Theory	Robert M. Gray	Electrical Engineering; Signal,Image and Speech Processing; Mathematics, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8907-4
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Dextrous Robot Hands	Subramanian T. Venkataraman, Thea Iberall	Engineering Economics, Organization, Logistics, Marketing; Mechanics; Electrical Engineering; Artificial Intelligence (incl. Robotics); Control, Robotics, Mechatronics	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-8976-7
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Modern Prestressed Concrete	James R. Libby	Theoretical and Applied Mechanics; Mechanics; Civil Engineering; Characterization and Evaluation of Materials	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-6747-5
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Fundamentals of Digital Switching	John C. McDonald	Electrical Engineering; Computer Communication Networks; Circuits and Systems	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-9882-0
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Data Fusion for Sensory Information Processing Systems	James J. Clark, Alan L. Yuille	Control, Robotics, Mechatronics; Computer Imaging, Vision, Pattern Recognition and Graphics; Artificial Intelligence (incl. Robotics)	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5126-7
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Steady-State Methods for Simulating Analog and Microwave Circuits	Kenneth S. Kundert, Jacob K. White, Alberto Sangiovanni-Vincentelli	Circuits and Systems; Electrical Engineering; Computer-Aided Engineering (CAD, CAE) and Design	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5121-2
Nonlinear Dynamical Control Systems	Henk Nijmeijer, Arjan Schaft	Control, Robotics, Mechatronics; Communications Engineering, Networks; Complexity; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-3091-0
Building Economics: Theory and Practice	Rosalie T. Ruegg, Harold E. Marshall	Civil Engineering; Economics general	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-4690-7
Nonlinear Digital Filters	I. Pitas, A. N. Venetsanopoulos	Signal, Image and Speech Processing; Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4419-5120-5
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Gas Discharge Closing Switches	Gerhard Schaefer, M. Kristiansen, A. Guenther	Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-1-4899-2132-1
Bridge Management	J. E. Harding, G. A. R. Parke, M. J. Ryall	Civil Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-0-419-16050-2
Prestressed Concrete Bridges	Christian Menn	Engineering, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-0348-9920-8
Numerical Simulation of Oscillatory Convection on Low-Pr Fluids	Bernard Roux	Engineering Fluid Dynamics; Numerical and Computational Physics; Simulation and Modeling; Physics, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-528-07628-3
Stabilization of Flexible Structures	J. P. Zolésio	Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization; Appl.Mathematics/Computational Methods of Engineering; Building Construction	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-53161-6
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Singularly Perturbed and Weakly Coupled Linear Control Systems	Zoran Gajić, Djordjija Petkovski, Xuemin Shen	Appl.Mathematics/Computational Methods of Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-52333-8

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Algebraic Theory of Linear Feedback Systems with Full and Decentralized Compensators	A. Nazli Gündes, Charles A. Desoer	Appl.Mathematics/Computational Methods of Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-52476-2
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Micro System Technologies 90	Herbert Reichl	Electronics and Microelectronics, Instrumentation; Optics, Optoelectronics, Plasmonics and Optical Devices; Engineering, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-642-45680-0
Dynamic Analysis of Non-Linear Structures by the Method of Statistical Quadratzation	M. G. Donley, P. D. Spanos	Appl.Mathematics/Computational Methods of Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-52743-5
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Electrical Engineering Applications	Carlos A. Brebbia	Appl.Mathematics/Computational Methods of Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-642-48839-9
Dimensions of Project Management	Hasso Reschke, Heinz Schelle	Engineering, general; Operation Research/Decision Theory	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-53157-9
Multibody Systems Handbook	Werner Schiehlen	Theoretical and Applied Mechanics; Simulation and Modeling; Math. Applications in Chemistry; Computational Intelligence; Engineering Design	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-642-50997-1
Air Traffic and the Environment — Background, Tendencies and Potential Global Atmospheric Effects	U. Schumann	Automotive Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-53352-8
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Biped Locomotion	Miomir Vukobratović, Branislav Borovac, Dušan Surla, Dragan Stokić	Control, Robotics, Mechatronics; Biophysics and Biological Physics; Computer Appl. in Life Sciences; Appl.Mathematics/Computational Methods of Engineering; Theoretical and Applied Mechanics; Engineering Design	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-642-83008-2
Variational and Finite Element Methods	Abraham I. Beltzer	Appl.Mathematics/Computational Methods of Engineering; Computer-Aided Engineering (CAD, CAE) and Design; Engineering Design	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-642-83916-0
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Filtering Techniques for Turbulent Flow Simulation	Alvaro A. Aldama	Mechanics; Earth Sciences, general; Fluid- and Aerodynamics; Appl.Mathematics/Computational Methods of Engineering; Computer Hardware; Software Engineering/Programming and Operating Systems	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-540-52137-2
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Nuclear Simulation	Moshe R. Heller	Appl.Mathematics/Computational Methods of Engineering; Renewable and Green Energy	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-642-84281-8
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Airfoil Design and Data	Richard Eppler	Automotive Engineering; Mechanics; Engineering Design; Manufacturing, Machines, Tools; Energy Technology	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-662-02648-9
Mathematical Programming Methods in Structural Plasticity	D. Lloyd Smith	Theoretical and Applied Mechanics; Building Construction; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization; Mathematical Methods in Physics; Numerical and Computational Physics	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-211-82191-6
Nonlinear Fracture Mechanics	Michael P. Wnuk	Theoretical and Applied Mechanics; Characterization and Evaluation of Materials; Engineering, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-211-82246-3
Crack Dynamics in Metallic Materials	J. R. Klepaczko	Theoretical and Applied Mechanics; Characterization and Evaluation of Materials	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-211-82226-5
Numerical Methods and Constitutive Modelling in Geomechanics	C. S. Desai, G. Gioda	Computational Intelligence	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-211-82215-9
Electrical Nerve Stimulation	Frank Rattay	Biomedical Engineering; Neurosciences; Biophysics and Biological Physics; Mathematical and Computational Biology; Animal Physiology	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-211-82247-0
Compact Transistor Modelling for Circuit Design	Henk C. Graaff, François M. Klaassen	Simulation and Modeling; Optical and Electronic Materials; Electronics and Microelectronics, Instrumentation	1990	http://link.springer.com/openurl?genre=book&isbn=978-3-7091-9045-6
Electronics in Metals and Semiconductors	R. G. Chambers	Circuits and Systems; Physics, general; Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-0-412-36840-0
Condition Monitoring and Diagnostic Engineering Management	Raj B. K. N. Rao, Joe Au, Brian Griffiths	Mechanical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-0-412-38560-5
Manprint	Harold R. Booher	Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6680-8
High Energy Density Technologies in Materials Science	F. Garbassi, E. Occhiello	Industrial and Production Engineering; Ceramics, Glass, Composites, Natural Materials; Characterization and Evaluation of Materials	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6710-2
Turbulence in Fluids	Marcel Lesieur	Engineering Fluid Dynamics; Mechanics; Automotive Engineering; Appl.Mathematics/Computational Methods of Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6726-3
Real Time Microcomputer Control of Industrial Processes	Spyros G. Tzafestas, J. K. Pal	Control Structures and Microprogramming; Artificial Intelligence (incl. Robotics); Electrical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6761-4
Marine Geological Surveying and Sampling	E. A. Hailwood, R. B. Kidd	Civil Engineering; Oceanography; Offshore Engineering; Economic Geology	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6763-8
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Internal Combustion Engineering: Science & Technology	John H. Weaving	Mechanical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6822-2
Reliability-Centered Maintenance: Management and Engineering Methods	Ronald T. Anderson, Lewis Neri	Mechanical Engineering; Statistics, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6826-0
11th Advances in Reliability Technology Symposium	Peter Comer	Mechanical Engineering; Statistics, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6828-4
Sulphide deposits—their origin and processing	P. M. J. Gray, G. J. Bowyer, J. F. Castle, D. J. Vaughan, N. A. Warner	Geoengineering, Foundations, Hydraulics; Physics, general	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6851-2
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Atlas of Machined Surfaces	K. J. Stout, E. J. Davis, P. J. Sullivan	Mechanical Engineering	1990	http://link.springer.com/openurl?genre=book&isbn=978-94-011-7774-0

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Fracture of Concrete and Rock	Surendra P. Shah, Stuart E. Swartz	Geoengineering, Foundations, Hydraulics	1989	http://link.springer.com/openurl?genre=book&isbn=978-0-387-96880-3
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Journal-Bearing Databook	Tsuneo Someya	Manufacturing, Machines, Tools; Machinery and Machine Elements; Engineering Design; Automotive Engineering	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-52511-7
Theory and Practice of Geometric Modeling	Wolfgang Straßer, Hans-Peter Seidel	Mechanical Engineering; Computer Graphics; Computer-Aided Engineering (CAD, CAE) and Design; Computer Hardware; Software Engineering/Programming and Operating Systems	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-64866-3

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Introduction to Robotics	Miomir Vukobratović	Control, Robotics, Mechatronics; Mechanics; Engineering Design; Manufacturing, Machines, Tools; Electronics and Microelectronics, Instrumentation; Computer Hardware	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-82999-4
MOS Switched-Capacitor and Continuous-Time Integrated Circuits and Systems	Rolf Unbehauen, Andrzej Cichocki	Communications Engineering, Networks; Electronics and Microelectronics, Instrumentation; Control, Robotics, Mechatronics	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-83679-4
Electromagnetic Applications	Carlos A. Brebbia	Appl.Mathematics/Computational Methods of Engineering; Engineering, general; Mechanics; Power Electronics, Electrical Machines and Networks; Computer Hardware; Software Engineering/Programming and Operating Systems	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-83682-4
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Recent Advances in Engineering Science	Severino L. Koh, C. G. Speziale	Appl.Mathematics/Computational Methods of Engineering; Engineering, general; Mechanics; Thermodynamics; Engineering Design; Electrical Engineering	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-50721-5
Difference Equations from Differential Equations	Wilbert James Lick	#####	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-50739-0
Discretization Methods and Structural Optimization — Procedures and Applications	Hans A. Eschenauer, Georg Thierauf	Engineering Design; Construction Management; Appl.Mathematics/Computational Methods of Engineering; Control, Robotics, Mechatronics	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-50784-0
Reliability Data Collection and Use in Risk and Availability Assessment	Viviana Colombari	Appl.Mathematics/Computational Methods of Engineering; Engineering Design; Manufacturing, Machines, Tools; Renewable and Green Energy; Software Engineering/Programming and Operating Systems; Civil Engineering	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-83723-4
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Analysis and Continuum Mechanics	Stuart S. Antman, Haim Brezis, Bernard D. Coleman, Martin Feinberg, John A. Nohel, William P. Ziemer	Continuum Mechanics and Mechanics of Materials; Mathematical Methods in Physics; Numerical and Computational Physics; Mechanics	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-50917-2
Field Analysis and Potential Theory	Robert Steel Edgar	Elementary Particles, Quantum Field Theory; Appl.Mathematics/Computational Methods of Engineering; Engineering, general; Communications Engineering, Networks	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-51074-1
Advances in Fluid Mechanics Measurements	Mohamed Gad-el-Hak	Fluid- and Aerodynamics; Engineering, general; Mechanics; Thermodynamics; Renewable and Green Energy; Geoengineering, Foundations, Hydraulics	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-51136-6
Optimization: Methods and Applications, Possibilities and Limitations	H. W. Bergmann	Automotive Engineering; Building Construction; Biotechnology; Math. Applications in Chemistry; Computational Intelligence	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-51257-8
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Frontiers in Experimental Fluid Mechanics	Mohamed Gad-el-Hak	Fluid- and Aerodynamics; Appl.Mathematics/Computational Methods of Engineering	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-51296-7
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Lecture Notes in Engineering	Ghodratollah Karami	Building Construction; Appl.Mathematics/Computational Methods of Engineering; Computer Hardware; Software Engineering/Programming and Operating Systems; Mechanics	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-51562-3
Slope Analysis Using Boundary Elements	Yansheng Jiang	Geophysics/Geodesy; Geography (general); Math. Applications in Chemistry; Computational Intelligence; Mechanics	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-51625-5

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Digital Control Systems	Rolf Isermann	Control, Robotics, Mechatronics; Appl.Mathematics/Computational Methods of Engineering; Computer Hardware	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-86419-3
Technologies of Light	Klaus Derge, Erwin-Ulrich Kotte, R. Roy Landeryou, Reinhart Poprawe, Theo Tschudi, Werner Wobbe	Engineering, general; Operating Procedures, Materials Treatment; Communications Engineering, Networks; Physical Chemistry; Laser Technology, Photonics; Quantum Optics	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-95577-8
Computational Hydraulics	Cornelis B. Vreugdenhil	Geoen지니어ing, Foundations, Hydraulics; Appl.Mathematics/Computational Methods of Engineering; Engineering, general; Mechanics; Thermodynamics; Renewable and Green Energy	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-540-50606-5
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Superconducting Quantum Electronics	Volkmar Kose	Electronics and Microelectronics, Instrumentation; Solid State Physics; Spectroscopy and Microscopy; Physics, general	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-642-95594-5
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SPC and Continuous Improvement	Mal Owen	Control, Robotics, Mechatronics; Statistics, general; Appl.Mathematics/Computational Methods of Engineering; Manufacturing, Machines, Tools; Engineering Design; Accounting/Auditing	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-662-22421-2
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Time and Frequency Representation of Signals and Systems	G. Longo, B. Picinbono	Communications Engineering, Networks	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-211-82143-5
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The Monte Carlo Method for Semiconductor Device Simulation	Carlo Jacoboni, Paolo Lugli	Electronics and Microelectronics, Instrumentation; Simulation and Modeling; Condensed Matter Physics; Computational Intelligence	1989	http://link.springer.com/openurl?genre=book&isbn=978-3-7091-7453-1
Climate and Energy: The Feasibility of Controlling CO2 Emissions	P. A. Okken, R. J. Swart, S. Zwerver	Renewable and Green Energy; Environmental Economics; Atmospheric Sciences; Atmospheric Protection/Air Quality Control/Air Pollution	1989	http://link.springer.com/openurl?genre=book&isbn=978-94-010-6704-1
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A modern course in aeroelasticity	Earl H. Dowell, Howard C. Curtiss, Robert H. Scanlan, Fernando Sisto	Automotive Engineering; Mechanical Engineering; Mechanics; Civil Engineering	1989	http://link.springer.com/openurl?genre=book&isbn=978-0-7923-0185-1
Advanced Seminar on Common Cause Failure Analysis in Probabilistic Safety Assessment	Aniello Amendola	Quality Control, Reliability, Safety and Risk; Nuclear Engineering; Environmental Management	1989	http://link.springer.com/openurl?genre=book&isbn=978-90-481-4045-9
Marine Painting Manual	A. M. Berendsen	Offshore Engineering; Quality Control, Reliability, Safety and Risk	1989	http://link.springer.com/openurl?genre=book&isbn=978-90-481-8244-2
Analysis of Shells and Plates	Phillip L. Gould	Geoengineering, Foundations, Hydraulics	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8340-9
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Plasticity for Structural Engineers	W. F. Chen, D. J. Han	Civil Engineering; Mechanics; Polymer Sciences	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8380-5
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Computer Communications and Networks	John R. Freer	Computer Science, general; Electrical Engineering; Computer Communication Networks	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8305-8
Mechatronics:Japan's Newest Threat	V. Daniel Hunt	Mechatronics; Science, general	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8404-8
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Modern Power Systems Control and Operation	Atif S. Debs	Electrical Engineering	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8414-7
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Parallel Programming and Compilers	Constantine D. Polychronopoulos	Processor Architectures; Programming Languages, Compilers, Interpreters; Operating Systems	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8416-1
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Simulated Annealing for VLSI Design	D. F. Wong, H. W. Leong, C. L. Liu	Real Functions; Computer-Aided Engineering (CAD, CAE) and Design	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-8947-0
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Second Century of the Skyscraper	Lynn S. Beedle	Civil Engineering; Architecture, general	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-6583-9
The 68000 Microprocessor	Andrew M. Veronis	Electronics and Microelectronics, Instrumentation; Programming Techniques; Biomedicine general	1988	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-6649-2
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Hydraulic Control Systems — Design and Analysis of Their Dynamics	Peter Dransfield	Mechanics; Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1981	http://link.springer.com/openurl?genre=book&isbn=978-3-540-10890-0
VLSI Systems and Computations	H. T. Kung, Bob Sproull, Guy Steele	Electronics and Microelectronics, Instrumentation	1981	http://link.springer.com/openurl?genre=book&isbn=978-3-642-68404-3
Nonlinear Finite Element Analysis in Structural Mechanics	W. Wunderlich, E. Stein, K.-J. Bathe	Structural Mechanics; Mechanics; Civil Engineering	1981	http://link.springer.com/openurl?genre=book&isbn=978-3-642-81591-1
Digital Control Systems	Rolf Isermann	Control, Robotics, Mechatronics	1981	http://link.springer.com/openurl?genre=book&isbn=978-3-662-02321-1
An Index	M. Thoma, A. V. Balakrishnan	Systems Theory, Control; Appl.Mathematics/Computational Methods of Engineering	1981	http://link.springer.com/openurl?genre=book&isbn=978-3-662-23401-3
Rarefied Gas Flows Theory and Experiment	W. Fiszdon	Theoretical and Applied Mechanics	1981	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81595-3
Landslides and Their Stabilization	Christian Veder	Engineering, general; Geophysics/Geodesy	1981	http://link.springer.com/openurl?genre=book&isbn=978-3-7091-7606-1
Fracture Mechanics of Ductile and Tough Materials and its Applications to Energy Related Structures	H. W. Liu, T. Kunio, V. Weiss, H. Okamura	Structural Mechanics; Mechanics	1981	http://link.springer.com/openurl?genre=book&isbn=978-94-009-7481-4
Thermal Storage of Solar Energy	C. Ouden	Renewable and Green Energy	1981	http://link.springer.com/openurl?genre=book&isbn=978-94-009-8304-5
Achievements of The European Community First Energy R & D Programme	J. T. McMullan, A. S. Strub	Renewable and Green Energy	1981	http://link.springer.com/openurl?genre=book&isbn=978-90-247-2511-3
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Energy from Biomass	P. Chartier, W. Palz	Environment, general	1981	http://link.springer.com/openurl?genre=book&isbn=978-94-009-8562-9
Solid Waste Processing and Resource Recovery	Lawrence K. Wang, Norman C. Pereira	Environment, general	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-5994-7
State Models of Dynamic Systems	N. H. McClamroch	Robotics and Automation; Theoretical, Mathematical and Computational Physics	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-6089-9
Metallography as a Quality Control Tool	James L. McCall, P. M. French	Quality Control, Reliability, Safety and Risk; Metallic Materials; Materials Science, general; Characterization and Evaluation of Materials	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-3092-9
Thermal Stresses in Severe Environments	D. P. H. Hasselman, R. A. Heller	Mechanical Engineering	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-3158-2
Handbook of Construction Management and Organization	Joseph P. Frein	Construction Management; Science, general	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-1451-6
Decontamination and Decommissioning of Nuclear Facilities	Marilyn M. Osterhout	Nuclear Engineering	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-3712-6
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Robotics in Practice	Joseph F. Engelberger	Robotics and Automation; Science, general	1980	http://link.springer.com/openurl?genre=book&isbn=978-0-85038-669-1
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Societal Risk Assessment	Richard C. Schwing, Walter A. Albers	Environmental Management	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4899-0447-8
Introduction to Communication Science and Systems	John R. Pierce, Edward C. Posner	Electrical Engineering; Computer Communication Networks	1980	http://link.springer.com/openurl?genre=book&isbn=978-1-4899-1889-5
Extensions of Linear-Quadratic Control Theory	D. H. Jacobson, D. H. Martin, M. Pachter, T. Geveci	Systems Theory, Control; Calculus of Variations and Optimal Control; Optimization	1980	http://link.springer.com/openurl?genre=book&isbn=978-3-540-10069-0
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Quantum Mechanics	Arno Böhm	Science, general	1979	http://link.springer.com/openurl?genre=book&isbn=978-1-4612-6128-5
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Residential Crowding and Design	John R. Aiello, Andrew Baum	Engineering Design	1979	http://link.springer.com/openurl?genre=book&isbn=978-1-4613-2969-5
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Modelling and Optimization of Complex System	Guri Ivanovich Marchuk	Computer Science, general	1979	http://link.springer.com/openurl?genre=book&isbn=978-3-540-09612-2
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Polynomial Response Maps	Eduardo D. Sontag	Engineering, general	1979	http://link.springer.com/openurl?genre=book&isbn=978-3-540-09393-0
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The Modelling of Systems with Small Observation Sets	Jan M. Maciejowski	Engineering, general	1978	http://link.springer.com/openurl?genre=book&isbn=978-3-540-09004-5
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Laser Plasmas and Nuclear Energy	Heinrich Hora	Nuclear Engineering	1975	http://link.springer.com/openurl?genre=book&isbn=978-1-4684-2087-6
Orthogonal Transforms for Digital Signal Processing	Nasir Ahmed, Kamisetty Ramamohan Rao	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-642-45452-3
Electric Probes in Stationary and Flowing Plasmas	Paul M. Chung, Lawrence Talbot, Kenell J. Touryan	Physics, general; Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-642-65888-4

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Group Technology	Ernst Alexander Arn	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-540-07505-9
Optimization Techniques IFIP Technical Conference	G. I. Marchuk	Programming Languages, Compilers, Interpreters; Control, Robotics, Mechatronics	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-662-37713-0
Multicriteria Decision Making	G. Leitmann, A. Marzollo	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81340-9
Limit of the Spinning Process in Manufacturing Synthetic Fibers	Giovanni Manfré	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81308-9
Computational Gasdynamics	Luigi G. Napolitano, Oleg M. Belotserkovskii	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81428-4
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Invariantive Mechanics	Octav Onicescu	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81349-2
Coding and Complexity	Giuseppe Longo	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81341-6
Topics in Combinatorial Optimization	Sergio Rinaldi	Computer Science, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81339-3
Discrete Mechanics A Unified Approach	Hayrettin Kardestuncer	Engineering, general	1975	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81379-9
Progress in Soil Zoology	Jan Vaněk	Soil Science & Conservation	1975	http://link.springer.com/openurl?genre=book&isbn=978-94-010-1935-4
Laser Applications in Medicine and Biology	Myron L. Wolbarsht	Biomedical Engineering	1974	http://link.springer.com/openurl?genre=book&isbn=978-1-4615-7325-8
Order-Disorder Transformations in Alloys	Hans Warlimont	Engineering, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-642-80842-5
Application of Holography and Hologram Interferometry to Photoelasticity	Vlatko Brčić	Engineering, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81163-4
Stochastic Methods in Mechanics of Granular Bodies	J. Litwiniszyn	Engineering, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81310-2
Computer Aided Automatic Design	C. Bona, C. Galletti, A. Lucifredi	Engineering, general; Computer Science, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81205-1
Gyrodynamics	Kurt Magnus	Engineering, general; Physics, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81229-7
On Theory and Practice of Robots and Manipulators	Paolo Serafini, Elisabeth Guazzelli, Bernhard Schrefler, Friedrich Pfeiffer, Franz G. Rammerstorfer	Engineering, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81252-5
Topics in Applied Continuum Mechanics	J. L. Zeman, F. Ziegler	Continuum Mechanics and Mechanics of Materials; Physics, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81260-0
Linear Programming in Industry	Sven Danø	Engineering, general; Computer Science, general	1974	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81189-4
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Lectures on the Theory of Exothermic Flows behind Shock Waves	Gorimir G. Cherny	Engineering, general; Physics, general	1973	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81168-9
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Transmission of Information by Orthogonal Functions	Henning F. Harmuth	Engineering, general	1972	http://link.springer.com/openurl?genre=book&isbn=978-3-642-61976-2
Tensor Analysis and Continuum Mechanics	Wilhelm Flügge	Continuum Mechanics and Mechanics of Materials; Mechanics	1972	http://link.springer.com/openurl?genre=book&isbn=978-3-642-88384-2
On Theory and Practice of Robots and Manipulators	International Centre for Mechanical Sciences; International Federation for the Theory of Machines and Mechanisms	Control, Robotics, Mechatronics; Artificial Intelligence (incl. Robotics)	1972	http://link.springer.com/openurl?genre=book&isbn=978-3-662-39349-9
Introduction to Structural Optimization	William Prager	Engineering, general	1972	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81291-4

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Rock Mechanics	Leopold Müller	Theoretical and Applied Mechanics; Electrical Engineering	1972	http://link.springer.com/openurl?genre=book&isbn=978-3-211-81301-0
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Theoretical and Clinical Hemorheology	Hellmut H. Hartert, Alfred L. Copley	Continuum Mechanics and Mechanics of Materials; Hematology; Medicine/Public Health, general	1971	http://link.springer.com/openurl?genre=book&isbn=978-3-642-65158-8
Influence of Shear and Band on Rotational Capacity of Reinforced Concrete Beams	Hugo Bachmann	Building Construction; Building Materials	1971	http://link.springer.com/openurl?genre=book&isbn=978-3-662-42158-1
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Konstruktionslehre des Stahlbetons	Gotthard Franz	Engineering Design; Structural Materials; Civil Engineering	1970	http://link.springer.com/openurl?genre=book&isbn=978-3-662-23428-0
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Sources of High-Intensity Ultrasound	L. D. Rozenberg	Electrical Engineering	1969	http://link.springer.com/openurl?genre=book&isbn=978-1-4757-6455-0
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Dynamics of Elastic Containers	I. M. Rapoport	Engineering, general; Physics, general	1968	http://link.springer.com/openurl?genre=book&isbn=978-3-642-46108-8
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Re-entry and Planetary Entry Physics and Technology	W. H. T. Loh	Engineering, general; Physics, general	1968	http://link.springer.com/openurl?genre=book&isbn=978-3-642-48929-7
Re-entry and Planetary Entry Physics and Technology	W. H. T. Loh	Aerospace Technology and Astronautics; Extraterrestrial Physics, Space Sciences; Planetology	1968	http://link.springer.com/openurl?genre=book&isbn=978-3-642-50084-8
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