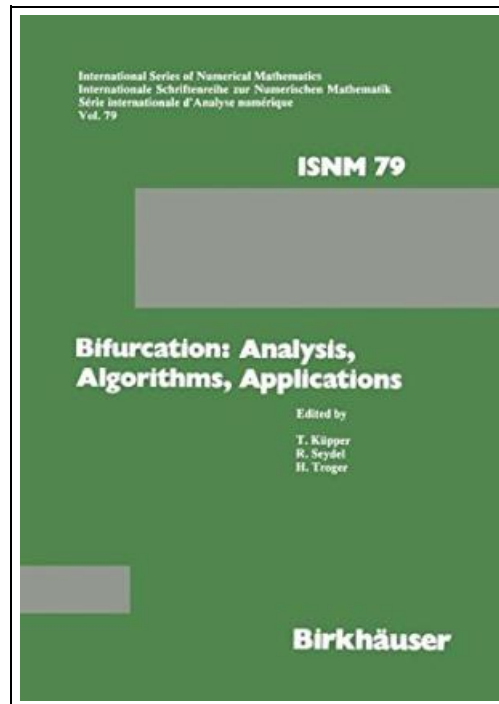


Bifurcation: Analysis, Algorithms, Applications



Filesize: 3.98 MB

Reviews

This ebook is very gripping and intriguing. I have got read through and i also am confident that i will gonna read through yet again again down the road. Its been written in an extremely straightforward way and it is merely right after i finished reading this book through which actually altered me, alter the way i really believe.

(Noble Hagenes)

BIFURCATION: ANALYSIS, ALGORITHMS, APPLICATIONS**DOWNLOAD**

Book Condition: New. Publisher/Verlag: Springer, Basel | Proceedings of the Conference at the University of Dortmund, August 18-22, 1986 | The conference on BIFURCATIONS: ANALYSIS, ALGORITHMS, APPLICATIONS took place in Dortmund in August 18 - 22, 1986. More than 150 Scientists from 16 countries participated in the meeting, among them mathematicians, engineers, and physicists. A broad spectrum of new results on bifurcation was covered by 49 talks. The diversity of the range of treated topics and of involved fields inspired fruitful discussions. 36 refereed papers are contained in these proceedings. The subjects covered treat bifurcation problems, ranging from theoretical investigations to numerical results, with emphasis placed upon applications. The more theoretical papers include the topics symmetry breaking, delay differential equations, Cornu spirals, homoclinic orbits, and selfsimilarity. Different kinds of bifurcations are treated: Hopf bifurcation, bifurcation from continuous spectrum, complex bifurcation, and bifurcation near tori. Several numerical aspects are discussed, among them continuation, block elimination, and spectral methods. Algorithms are proposed for approximating manifolds, calculating periodic solutions and handling multi-parameter problems. Ample space is devoted to applications. Classical phenomena from fluid mechanics (such as convection rolls and the Taylor vortex problem), buckling, and reaction-diffusion problems are considered. Other applications of bifurcations include railway vehicle dynamics, computer graphics, semiconductors, drilling processes, simulation of oil reservoirs, and rotor dynamics. The proceedings reflect current research in bifurcation. They are an attempt to bring together researchers from different disciplines to stimulate common effort towards a better understanding and handling of bifurcation problems. | The effect of discretization on homoclinic orbits.- Bifurcation in elliptic systems.- Transition to asymmetric convection rolls.- Wave patterns in coupled stationary bifurcations with $O(2)$ -symmetry.- Determination of bifurcation points and catastrophes for the Brusselator model with two parameters.- Numerical studies of bifurcation in reaction-diffusion models...

[Read Bifurcation: Analysis, Algorithms, Applications Online](#)[Download PDF Bifurcation: Analysis, Algorithms, Applications](#)

Relevant Books

**Born Fearless: From Kids' Home to SAS to Pirate Hunter - My Life as a Shadow Warrior**

Quercus Publishing Plc, 2011. Hardcover. Book Condition: New. No.1 BESTSELLERS - great prices, friendly customer service â" all orders are dispatched next working day.

[Save Document »](#)

**Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph**

Free Press. Hardcover. Book Condition: New. 1439143102 SHIPS WITHIN 24 HOURS!! (SAME BUSINESS DAY) GREAT BOOK!!

[Save Document »](#)

**Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.

[Save Document »](#)

**Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

[Save Document »](#)

**Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

Book Condition: Brand New. Book Condition: Brand New.

[Save Document »](#)