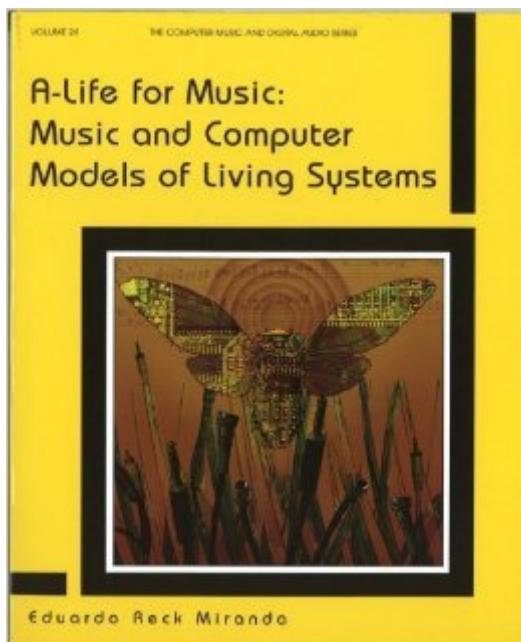


The book was found

# A-Life For Music: Music And Computer Models Of Living Systems (Computer Music And Digital Audio Series)



## Synopsis

Artificial Life, or A-Life, aims at the study of all phenomena characteristic of natural living systems, through computational modeling, wetware-hardware hybrids, and other artificial media. Its scope ranges from the investigation of the emergence of cognitive processes in natural or artificial systems to the development of life or life-like properties from inorganic components. A number of musicians, in particular composers and musicologists, have started to turn to A-Life for inspiration and working methodology. This edited features thirteen chapters written by specialists in this exciting field, and includes a CD with various examples music related to A-Life. Contents Chapter 1: Artificial Anuran Choruses / David M. Michael Chapter 2: Multi-Agent Modeling of Complex Rhythmic Interactions in Real-Time Performance / Arne Eigenfeldt Chapter 3: Using Coevolution in Music Improvisation / David Plans and Davide Morelli Chapter 4: Structural Coupling in a Society of Musical Agents / Peter Beyls Chapter 5: Transformation and Mapping of L-Systems Data in the Composition of a Large-Scale Piece of Music / Nigel Morgan Chapter 6: Generative Composition with Nodal / Jon McCormack and Peter McIlwain Chapter 7: Evolutionary Morphing for Music Composition / Andrew R. Brown, Rene Wooller, and Eduardo R. Miranda Chapter 8: The Evolving Drum Machine / Matthew J. Yee-King Chapter 9: Autonomous Evolution of Piano Pieces and Performances with Ossia II / Palle Dahlstedt Chapter 10: A Biophysically Constrained Multi-Agent Systems Approach to Algorithmic Composition with Expressive Performance / Alexis Kirke and Eduardo R. Miranda Chapter 11: Artificial Evolution of Tuning Systems / Jean-Julien Aucouturier Chapter 12: Replication, Parataxis, and Evolution: Meme Journeys through the First Movement of a Mozart Sonata / Steven Jan Chapter 13: An Ontomemetic Approach to Musical Intelligence / Marcelo Gimenes and Eduardo R. Miranda

## Book Information

Series: Computer Music and Digital Audio Series

Paperback: 301 pages

Publisher: A-R Editions; Pap/Com edition (August 31, 2011)

Language: English

ISBN-10: 0895796732

ISBN-13: 978-0895796738

Product Dimensions: 0.8 x 7.5 x 9.2 inches

Shipping Weight: 1.3 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,986,304 in Books (See Top 100 in Books) #74 in Books > Computers & Technology > Programming > Algorithms > Genetic #592 in Books > Arts & Photography > Music > Theory, Composition & Performance > MIDI, Mixers, etc.

[Download to continue reading...](#)

A-Life for Music: Music and Computer Models of Living Systems (Computer Music and Digital Audio Series) Frugal Living: 55 Tips to Save Money! Enjoy Living on a Budget, Become Debt Free, and Have Complete Financial Independence (Frugal Living Books, frugal living for dummies, frugal living made simple) Cryptocurrency: Guide To Digital Currency: Digital Coin Wallets With Bitcoin, Dogecoin, Litecoin, Speedcoin, Feathercoin, Fedoracoin, Infinitecoin, and ... Digital Wallets, Digital Coins Book 1) A Digital Signal Processing Primer: With Applications to Digital Audio and Computer Music Digital Speech: Coding for Low Bit Rate Communication Systems (Wiley Series in Communication and Distributed Systems) Digital Painting Techniques: Practical Techniques of Digital Art Masters (Digital Art Masters Series) Art Models 6: The Female Figure in Shadow and Light (Art Models series) Art Models 7: Dynamic Figures for the Visual Arts (Art Models series) Art Models Ultra: Becca (Art Models series) Art Models 8: Practical Poses for the Working Artist (Art Models series) Performance and Evaluation of Lisp Systems (Computer Systems Series) Photography: DSLR Photography Secrets and Tips to Taking Beautiful Digital Pictures (Photography, DSLR, cameras, digital photography, digital pictures, portrait photography, landscape photography) Photography: Complete Guide to Taking Stunning,Beautiful Digital Pictures (photography, stunning digital, great pictures, digital photography, portrait ... landscape photography, good pictures) Error-Control Coding for Computer Systems (Prentice Hall series in computer engineering) Cut and Make Space Shuttles: 8 Full-Color Models that Fly (Models & Toys) Sexy Seductive Lingerie & Boudoir Poses 1000 Positions Photographs: Fashion Models, Pin-Ups, Fashion Photographers, Figure Model, Artists & Art Models The Changing Face of Church: Emerging Models of Parish Leadership (Emerging Models of Pastoral Leadership) Aircraft Digital Electronic and Computer Systems Living Frugally: 55 Perfect Methods to Save Money and Live a Happy Life Without Debts. (Living Frugally, frugal living, frugal suggestions) Digital Storytelling: Capturing Lives, Creating Community (Digital Imaging and Computer Vision)

[Dmca](#)