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Evolutionary and Biologically Inspired Music, Sound, Art and Design Colin Johnson, Adrian Carballal, João Correia, 2015-03-14 This book constitutes the refereed proceedings of the 4th International Conference on Biologically Inspired Music Sound Art and Design EvoMUSART 2015 held in Copenhagen Denmark in April 2015 co located with the Evo 2015 events EuroGP EvoCOP and Evo Applications The 23 revised full papers presented were carefully reviewed and selected from 43 submissions They cover a wide range of topics and application areas including generative approaches to music graphics game content and narrative music information retrieval computational aesthetics the mechanics of interactive evolutionary computation and the art theory of evolutionary computation

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the mechanics of interactive evolutionary computation and the art theory of evolutionary computation **Evolutionary and Biologically Inspired Music, Sound, Art and Design** Juan Romero, James McDermott, João Correia, 2014-08-22 This book constitutes the refereed proceedings of the Third International Conference on Biologically Inspired Music Sound Art and Design Evo MUSART 2014 held in Granada Spain in April 2014 co located with the Evo 2013 events Euro GP Evo COP Evo BIO and Evo Applications The 11 revised full papers presented were carefully reviewed and selected from 30 submissions They cover a wide range of topics and application areas **Proceedings of the Genetic and Evolutionary Computation Conference** ,2001 Computers in Music Education Andrew R. Brown, 2007 Computers in Music Education addresses the question of how computer technologies might best assist music education For current and preservice music teachers and designed as a development tool reference resource and basic teaching text it addresses pedagogical issues and the use of computers to aid production and presentation of students musical works Written by a music educator and digital media specialist it cuts through the jargon to present a concise easy to digest overview of the field covering notation software MIDI sound creation downloading music posting personal MP3s for mass distribution While there are many more technical books few offer a comprehensive understandable overview of the field Computers in Music Education is an important text for the growing number of courses in this area **Music and Human-Computer Interaction** Simon Holland, Katie Wilkie, Paul Mulholland, Allan Seago, 2013-03-12 This agenda setting book presents state of the art research in Music and Human Computer Interaction also known as Music Interaction Music Interaction research is at an exciting and formative stage Topics discussed include interactive music systems digital and virtual musical instruments theories methodologies and technologies for Music Interaction Musical activities covered include composition performance improvisation analysis live coding and collaborative music making Innovative approaches to existing musical activities are explored as well as tools that make new kinds of musical activity possible Music and Human Computer Interaction is stimulating reading for professionals and enthusiasts alike researchers musicians interactive music system designers music software developers educators and those seeking deeper involvement in music interaction It presents the very latest research discusses fundamental ideas and identifies key issues and directions for future work **Composing Music with Computers** Eduardo Miranda, 2001-04-27 Focuses on the role of the computer as a generative tool for music composition Miranda introduces a number of computer music composition techniques ranging from probabilities formal grammars and fractals to genetic algorithms cellular automata and neural computation Anyone wishing to use the computer as a companion to create music will find this book a valuable resource As a comprehensive guide with full explanations of technical terms it is suitable for students professionals and enthusiasts alike The accompanying CD ROM contains examples complementary tutorials and a number of composition systems for PC and Macintosh platforms from demonstration versions of commercial programs to exciting fully working packages developed by research centres world wide including Nyquist Bol Processor Music Sketcher SSEYO Koan Open

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