

Modularity - understanding the development and evolution of natural complex systems

MIT Press - Modularity: Understanding the Development and Evolution of Natural Complex ...



Description: -

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Modularity (Psychology)

Chaotic behavior in systems

Natural selection

Evolution (Biology)Modularity - understanding the development and evolution of natural complex systems

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The Vienna series in theoretical biologyModularity - understanding the development and evolution of natural complex systems

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Modularity

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Werner Callebaut & Diego Rasskin

A hypertextual novel that dramatizes the process of its creation and proposes techniques to increase creativity. Ecological neural networks for object recognition and generalization. The MIT Press, Cambridge, MA.

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IEEE Journal of Robotics and Automation 2:14-23. Do infants learn grammar with algebra or statistics? Moreover, by considering that artificial neural networks draw an inspiration from neuro- and cognitive science, an artificial life approach to the problem could theoretically enlarge the field of investigation. Simon Preface I INTRODUCTION 1 1 The Ubiquity of Modularity II EVO-DEVO: THE MAKING OF A MODULAR WORLD 29 2 Natural Selection and the Origin of Modules 3 Evolutionary Modules: Conceptual Analyses and Empirical Hypotheses 4 Evolutionary Developmental Biology Meets Levels of Selection: Modular Integration or Competition, or Both? Being there: Putting brain, body, and world together again.

Books: Modularity: Understanding the Development and Evolution of Natural Complex Systems by Werner Callebaut (Editor), Diego Rasskin

Modularity and neuropsychology: implications for the organization of attention and memory in normal and brain-damaged people. Understanding the development and evolution of complex natural systems, The MIT Press, Cambridge, MA.

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Beyond modularity: A developmental perspective on cognitive science. Letter to Science commenting on Marcus et al. Simon addressing the role

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