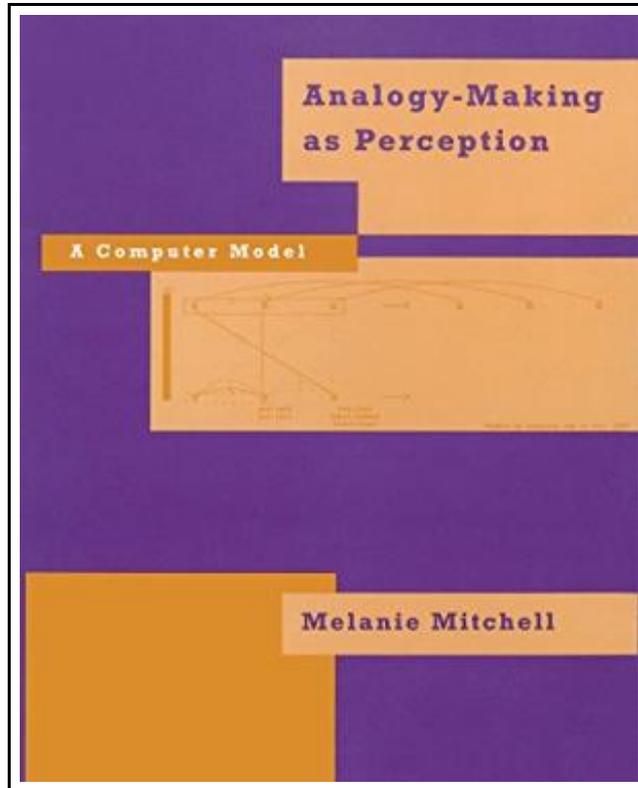# Analogy-Making as Perception: A Computer Model

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Reviews

This is an amazing book that I actually have actually read through. I am quite late in start reading this one, but better then never. You will not truly feel monotony at anytime of the time (that's what catalogs are for concerning should you ask me).
(Scottie Schroeder DDS)

ANALOGY-MAKING AS PERCEPTION: A COMPUTER MODEL

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Bradford Book. Paperback. Book Condition: New. Paperback. 284 pages. Dimensions: 9.8in. x 8.0in. x 0.9in.The psychologist William James observed that a native talent for perceiving analogies is. . . the leading fact in genius of every order. The centrality and the ubiquity of analogy in creative thought have been noted again and again by scientists, artists, and writers, and understanding and modeling analogical thought have emerged as two of the most important challenges for cognitive science. Analogy-Making as Perception is based on the premise that analogy-making is fundamentally a high-level perceptual process in which the interaction of perception and concepts gives rise to conceptual slippages which allow analogies to be made. It describes Copycat - a computer model of analogymaking, developed by the author with Douglas Hofstadter, that models the complex, subconscious interaction between perception and concepts that underlies the creation of analogies. In Copycat, both concepts and high-level perception are emergent phenomena, arising from large numbers of low-level, parallel, non-deterministic activities. In the spectrum of cognitive modeling approaches, Copycat occupies a unique intermediate position between symbolic systems and connectionist systems a position that is at present the most useful one for understanding the fluidity of concepts and high-level perception. On one level the work described here is about analogy-making, but on another level it is about cognition in general. It explores such issues as the nature of concepts and perception and the emergence of highly flexible concepts from a lower-level subcognitive substrate. Melanie Mitchell, Assistant Professor in the Department of Electrical Engineering and Computer Science at the University of Michigan, is a Fellow of the Michigan Society of Fellows. She is also Director of the Adaptive Computation Program at the Santa Fe Institute. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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