

Fluid Concepts and Creative Analogies: Computer Models Of The Fundamental Mechanisms Of Thought

By Douglas R. Hofstadter





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Readers of earlier works by Douglas Hofstadter will find this book a natural extension of his style and his ideas about creativity and analogy; in addition, psychologists, philosophers, and artificial-intelligence researchers will find in this elaborate web of ingenious ideas a deep and challenging new view of mind.



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Douglas Hofstadter, best known for his masterpiece *Godel, Escher, Bach: An Eternal Golden Braid,* tackles the subject of artificial intelligence and machine learning in his thought-provoking work *Fluid Concepts and Creative Analogies*, written in conjunction with the Fluid Analogies Research Group at the University of Michigan. Driven to discover whether computers can be made to "think" like humans, Hofstadter and his colleagues created a variety of computer programs that extrapolate sequences, apply pattern-matching strategies, make analogies, and even act "creative." As always, Hofstadter's work requires devotion on the part of the reader, but rewards him with fascinating insights into the nature of both human and machine intelligence.

About the Author

Douglas R. Hofstadter is College Professor of Cognitive Science and Computer Science at Indiana University, Bloomington, Indiana. His previous books are the Pulitzer Prizewinning *Gödel, Escher, Bach*; *Metamagical Themas, The Mind's I, Fluid Concepts and Creative Analogies, Le Ton Beau de Marot*, and *Eugene Onegin*.

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