Allen Newell Encyclopedia Article

Allen Newell

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Allen Newell

1927-1992

American computer scientist whose work with artificial intelligence contributed much toward greater understanding of both computer science and human cognition. Newell's primary work focused on the problem-solving and cognitive architecture that could lead to a computer replication of human thought. Unlike many so-called "AI" programs that merely apply simple rules to a set of alternatives, Newell was working on developing computer systems that would actually think in a manner analogous to humans.