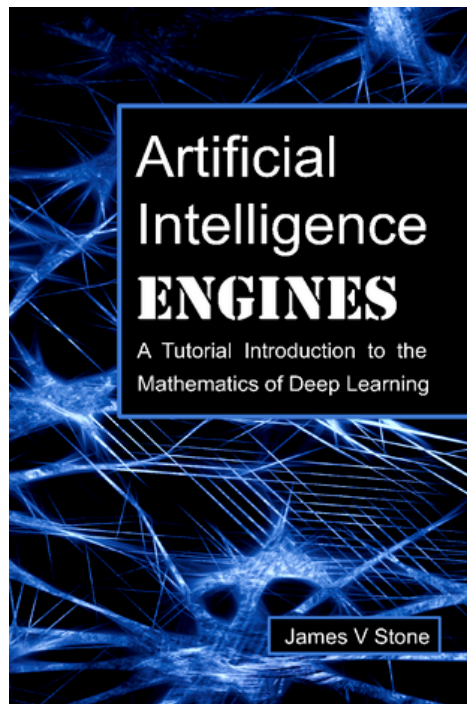


# Artificial Intelligence **ENGINES**

A Tutorial Introduction to the  
Mathematics of Deep Learning

James V Stone

## \* Artificial Intelligence Engines \*



### Books Details

Author : James V. Stone Pages : 214 pages Publisher : Sebtel Press Language : eng  
ISBN-10 : 0956372813 ISBN-13 : 9780956372819

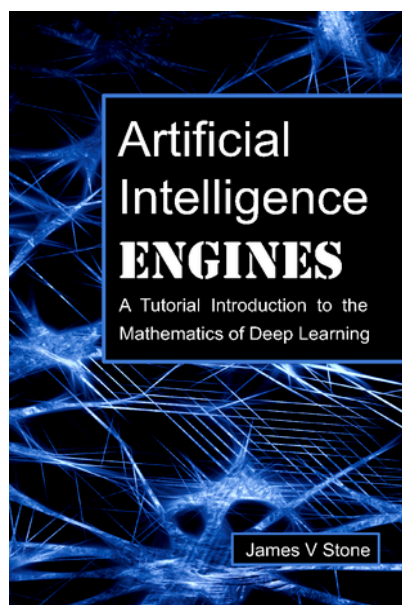
### Books Descriptions

The brain has always had a fundamental advantage over conventional computers: it can learn. However, a new generation of artificial intelligence algorithms, in the form of deep neural networks, is rapidly eliminating that advantage. Deep neural networks rely on adaptive algorithms to master a wide variety of tasks, including cancer diagnosis, object recognition, speech recognition, robotic control, chess, poker, backgammon and Go, at super-human levels of performance. In this richly illustrated book, key neural network learning algorithms are explained informally first, followed by detailed mathematical analyses. Topics include both historically important neural networks (perceptrons, Hopfield nets, Boltzmann machines and backpropagation

networks), and modern deep neural networks (variational autoencoders, convolutional networks, generative adversarial networks, and reinforcement learning using SARSA and Q-learning). Online computer programs, collated from open source repositories,



You Can Get This Books By Click Link/Button In Below .



/

<https://www.worldbookcollection.com/?book=0956372813>