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Digital Neural Networks. Description. Covering the fundamental theory and practical implementation of various neural models, this text provides a coherent exploration and a well structured presentation of the three most important aspects of the neural networks: application, algorithm, and architecture.

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Vlontzos J.A., Kung S.Y. (1991) Digital Neural Network Architecture and Implementation. In: Ramacher U., Rückert U. (eds) VLSI Design of Neural Networks. The Springer International Series in Engineering and Computer Science (VLSI, Computer Architecture and Digital Signal Processing), vol 122.

Digital Neural Network Architecture and Implementation

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Digital neural networks . 1993. Abstract. No abstract available. ... Taur J and Kung S Fuzzy-decision neural networks Proceedings of

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the 1993 IEEE international conference on Acoustics, speech, and signal processing: plenary, special, audio, underwater acoustics, VLSI, neural networks - Volume I, (577-580) ...

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Sun-Yuan Kung (F'88-LF'16) is currently a Professor with the Department of Electrical Engineering, Princeton University, Princeton, NJ, USA. He has authored or coauthored more than 500 technical publications and numerous textbooks including the VLSI Array Processors (Prentice-Hall, 1988), the Digital Neural Networks (Prentice-Hall, 1993), the Principal Component Neural Networks (Wiley, 1996), the Biometric Authentication: A Machine Learning Approach (Prentice-Hall, 2004), and the ...

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What is a neural network? | TechRadar

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Artificial neural network - Wikipedia

Author of Biometric authentication, Digital Neural Networks. Open Library is an initiative of the Internet Archive, a 501(c)(3) non-profit, building a digital library of Internet sites and other cultural artifacts in digital form. Other projects include the Wayback Machine, archive.org and archive-it.org projects include the Wayback Machine, archive.org

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Biometric Authentication: A Machine Learning Approach
(paperback) S.Y. Kung, Princeton University. M.W. Mak. S.H. Lin.
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Kung, Mak & Lin, Biometric Authentication: A Machine ...

Now that you have a high-level overview of data sets and how a neural network learns from that data, let's dive deeper into how neural networks work. Understanding neural networks. We will be building a neural network to classify the digits three and seven from an image.

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Sun-Yuan Kung is a professor of electrical engineering at Princeton University. His research and teaching interests include VLSI signal processing; neural networks; digital signal, image, and video processing; and multimedia information systems. His books include VLSI Array Processors and Digital Neural Networks (Prentice Hall PTR).

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Kernel Methods and Machine Learning by S. Y. Kung

Provides a synergistic examination of the mathematical, algorithmic, application and architectural aspects of principal component neural networks. Using a unified formulation, the authors present neural models performing PCA from the Hebbian learning rule and those which use least squares learning rules such as back-propagation.

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