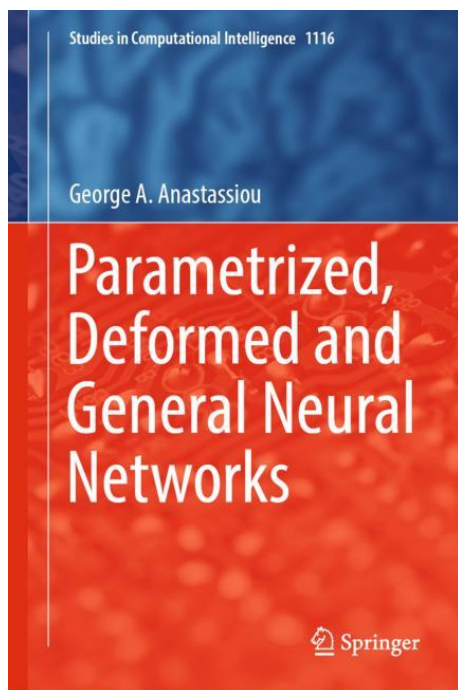




Engineering: Computational Intelligence, Artificial Intelligence

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Parametrized, Deformed and General Neural Networks

- Presents for the first time in literature the parametrized, deformed, and general activation function of Neural Networks
- Is suitable for researchers and graduate students
- Presents approaches that are original and chapters that are self-contained and can be read independently

In this book, we introduce the parametrized, deformed and general activation function of neural networks. The parametrized activation function kills much less neurons than the original one. The asymmetry of the brain is best expressed by deformed activation functions. Along with a great variety of activation functions, general activation functions are also engaged. Thus, in this book, all presented is original work by the author given at a very general level to cover a maximum number of different kinds of neural networks: giving ordinary, fractional, fuzzy and stochastic approximations. It presents here univariate, fractional and multivariate approximations. Iterated sequential multi-layer approximations are also studied. The functions under approximation and neural networks are Banach space valued.

Springer

Edition No: 1

2023 . XVIII, 853 p. 1 illus.

Printed Book

Hard cover

ISBN 978-3-031-43020-6

EAN 9783031430206

219.99 € | £ 199.99 | \$ 249.99

235.39 € (D) | 241.99 € (A) | CHF 259.50

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9783031430206

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