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P. Picco]
Autor: [s.n.]

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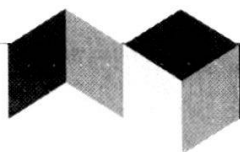
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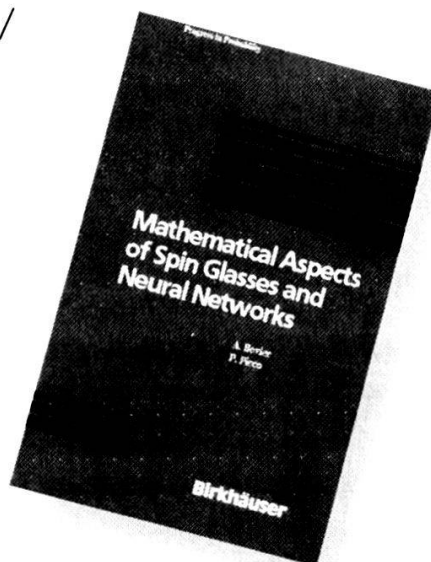
PP 41 • Progress in Probability

A. Bovier, Weierstrass-Institut, Berlin, Germany /

P. Picco, CNRS, Marseille, France (Eds)

Mathematical Aspects of Spin Glasses and Neural Networks

1997. Approx. 400 pages. Hardcover
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Spin glass theory has been an extremely active field of research in both experimental and theoretical physics for many years. Soon after introduction of the first spin glass models, the close relationship between spin glasses and certain aspects of the theory of neural networks was discovered. The aim of this book is to provide a concise reference to the mathematical progress that has been made on the interaction between these two concepts.

It provides the researcher or beginning graduate student with a survey of some of the most important developments as focused on intrinsically spin glass aspects. It also, due to recent remarkable developments, provides some original results that have not yet appeared in print.

The book will be of interest to mathematicians working in probability theory, theoretical physicists, and engineers working in neural networks. It is a unique source of information for students and prospective researchers as well as active experts in the field.

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