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Simulation Example; 4.11 Networks with Weight Sharing; 4.12 Generalized Linear Classifiers; 4.13 Capacity of the I-Dimensional Space in Linear Dichotomies; 4.14 Polynomial Classifiers; 4.15 Radial Basis Function Networks; 4.16 Universal Approximators; 4.17 Probabilistic Neural Networks; 4.18 Support Vector Machines: The Nonlinear Case; 4.19 Beyond the SVM Paradigm; 4.20 Decision Trees; 4.21 Combining Classifiers; 4.22 The Boosting Approach to Combine Classifiers; 4.23 The Class Imbalance Problem; 4.24 Discussion; 4.25 Problems

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Sommario/riassunto

This book considers classical and current theory and practice, of supervised, unsupervised and semi-supervised pattern recognition, to build a complete background for professionals and students of engineering. The authors, leading experts in the field of pattern recognition, have provided an up-to-date, self-contained volume encapsulating this wide spectrum of information. The very latest methods are incorporated in this edition: semi-supervised learning, combining clustering algorithms, and relevance feedback. . . . Thoroughly developed to include many more worked examples to give greater clarity and insight.
