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Chapter 28: Neural Networks Part I: Unsupervised Learning; Chapter 29: Neural Network Part II: Supervised Learning; Appendix A: Thinking in MATLAB; Appendix B: Linear Algebra Review; Appendix C: Master Equation List; References; Index; Color Plates

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## Sommario/riassunto

Matlab is the accepted standard for scientific computing, used globally in virtually all Neuroscience and Cognitive Psychology laboratories. For instance, SPM, the most used software for the analysis and manipulation of fMRI images in research and clinical practice is fully programmed in matlab, and its use of the possibility to allow for sophisticated software modules to be freely added to the software has established it as the by far dominant software in the field. Many universities now offer, or are beginning to offer matlab introductory courses in their neuroscience and psychology programs

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