

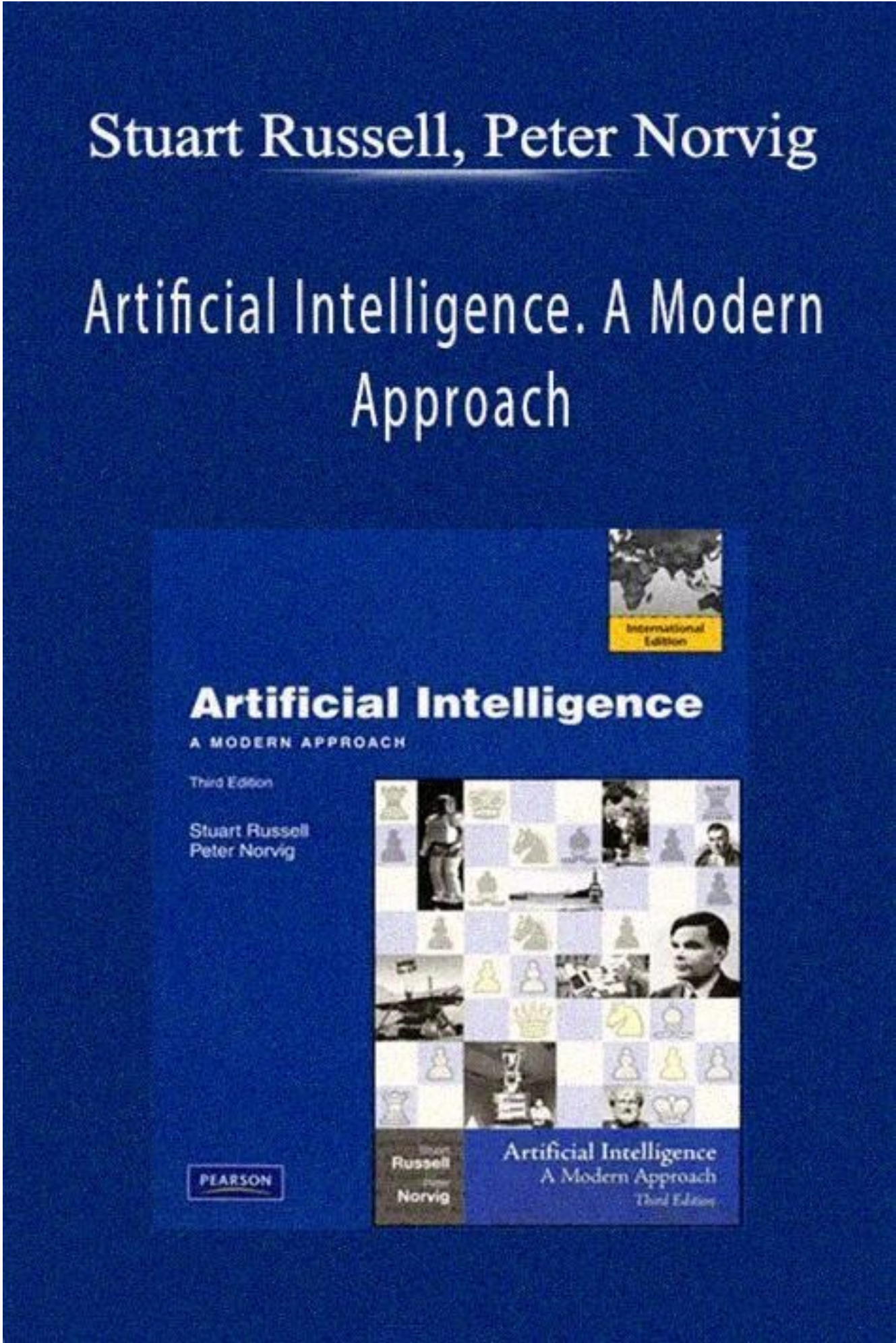
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The widely recognized AI textbook, which has been incorporated into the curriculum of over 1500 educational institutions worldwide, serves as a comprehensive guide. The Global Edition's Table of Contents is outlined below: **I. Artificial Intelligence** 1.



The Role of Logical Agents 8. Exploring First-Order Logic 9. Deductive Reasoning in First-Order Logic 10. Methods of Knowledge Representation 11. The Process of Automated Planning **IV. Managing Uncertainty in Knowledge and Reasoning** 12. Methods to Measure Uncertainty 13. Foundations of Probabilistic Reasoning 14. Time-Dependent Probabilistic Reasoning 15. Frameworks for Simple Decision-Making 16. Strategies for Complex Decision-Making 17. Decision-Making in Multiagent Systems 18. Introduction to Probabilistic Programming **V. Machine Learning** 19. Principles of Learning from Examples 20. The Interplay of Knowledge and Learning 21. Constructing Probabilistic Models 22. An Overview of Deep Learning 23. Fundamentals of Reinforcement Learning **VI. Communication, Perception, and Action** 24. *retudimotiruza* Processing Natural Language 25. Applying Deep Learning to Natural Language Processing 26. An Insight into Robotics 27. Fundamentals of Computer Vision **VII. Concluding Thoughts** 28. Discussing the Philosophy, Ethics, and Safety Concerns in AI 29. Prospects and Developments in AI Additionally, the textbook includes an appendix covering mathematical foundations, notes on programming languages and algorithms, a comprehensive bibliography, an index, exercises available on the accompanying website, downloadable figures, and code snippets including pseudocode. The textbook is available in both US and Global editions. This summary omits the repetitive phrase "You can't perform that action at this time" found at the end of the original text, which seems to be an error or unrelated to the content.