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On determining the cause of nonunifiability

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ASDEP: An expert system for electric power plant design

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Special feature article

How feasible is automated discovery?

Michael G. Walker

Books received for review

Pat Langley, Herb Simon, Gary Bradshaw and Jan M. Zytkow. "Scientific Discovery", Cambridge: MIT, 1987, 350 pp.

P. Slatter. "Building expert system: cognitive emulation", Ellis Horwood/Wiley: Chichester, 1987, 140 pp.

D.D. Wolfgram, T.J. Dear and C.S. Galbraith. "Expert systems for the technical professional". New York: Wiley 1987, 300 pp.

G.G. Wilkinson and A.R. Winterflood (Eds.). "Fundamentals of information technology", Chichester: Wiley, 1987, 350 pp, ISBN 0 471 91003 1.

Wolfgang Bibel. "Automated theorem proving" Second edition, Vieweg, 1987, 280 pp.

J. Hallam and C. Mellish (Eds.). Advances in Artificial Intelligence, Wiley, 1987, 290 pp.

J.-P. Haton (Ed.). Fundamentals in computer understanding: Speech and vision (An advanced course) Cambridge University Press, 273 pp.

I. Bratko and Lavrac N. (Eds.). Progress in machine learning. Proceedings of EWSL 87: 2nd European working session on learning, Bled, Yugoslavia, 1987. Wilmslow: Sigma Press, 256 pp.

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The theory and practice of intelligent and robotic systems is currently one of the most fashionable and promising areas in Computer and Systems Science and Engineering, and will certainly play a primary role in future life. The objective of the *Journal of Intelligent and Robotic Systems: Theory and Applications (JIRSTA)* is to provide a source linking all fields where the *systems intelligence* plays a dominant role, and to stimulate interaction between workers carrying out theoretical and applied research in the following representative (but nonexhaustive) areas:

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- Intelligent text and signal processing
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- Kinematics, dynamics, and control of robots
- Robot programming languages
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- Intelligent microprocessor-based systems
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