Artificial Intelligence is a branch of computer science that develops heuristic methods for solving super-complex problems that cannot be solved by direct calculations or mathematics methods, as well as ways to model human intellectual activity.

This volume presents 45 original peer-reviewed research papers on theory and applications of Artificial Intelligence. The volume is structured into seven thematic fields:

- Computational intelligence
- Knowledge representation and reasoning
- Machine learning
- Constraint programming, planning, and scheduling
- Natural language processing
- Intelligent tutoring systems
- Intelligent biomedical applications

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