



Einladung zum Oberseminar Mathematische Logik

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Alpha-Beta Pruning Explored, Extended and Verified

Alpha-beta pruning is an efficient search strategy for two-player game trees. It was invented in the late 1950s and is at the heart of most implementations of combinatorial game playing programs. In this talk I will survey my recent formalizations and verifications of a number of standard variations of alpha-beta pruning. Findings include:

- Basic variants already having a property ascribed to an improved version
- Authors being confused about which algebraic structure they actually work in - Generalizations to new algebraic structures
- The implementation in a well-known paper is flawed

Ort: Mathematik Ost, Seminarraum 01.003

Zeit: Montag, 27.05.2024 16:15

Zu diesem Vortrag laden wir Sie herzlich ein.

gez. Anton Freund