

Game values and (sur)real numbers

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McMaster Math 3A

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GOALS

- ▶ Describe:

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 - ▶ Combinatoric games

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Game theory

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- ▶ Why would that be?



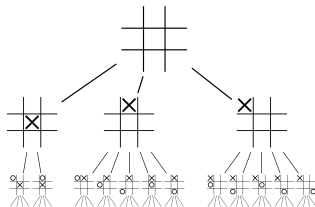
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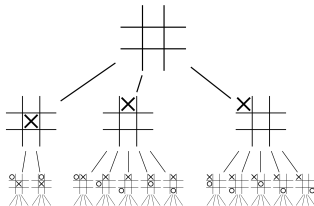
Determinism

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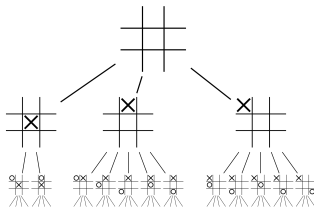
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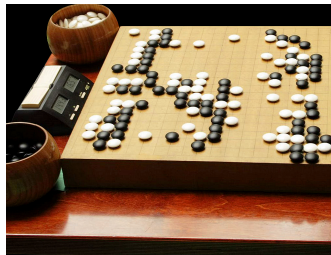
Determinism

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 - ▶ Mathematically, not practically
- ▶ Analyze the game tree; figure out who wins



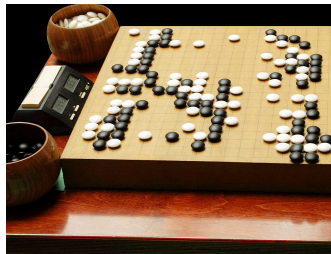
Combinatorial game theory

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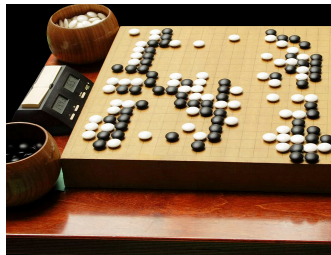
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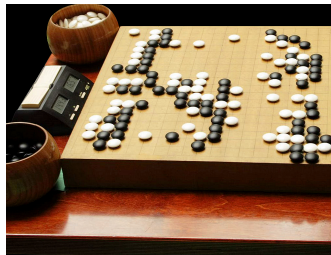
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Mirror world

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