

Algorithmic game theory

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2nd lecture

October 14th 2021



Proof of Nash's Theorem

Nash's Theorem

- Every normal-form game has a Nash equilibrium.

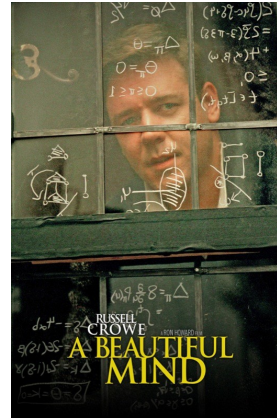


Figure: John Forbes Nash Jr. (1928–2015) and his depiction in the movie **A Beautiful mind**.

Pareto optimality

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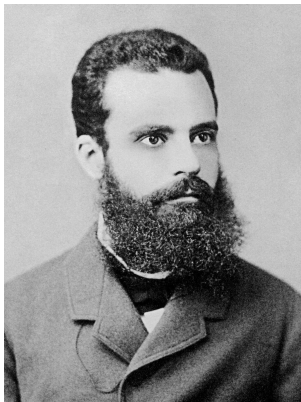


Figure: Vilfredo Pareto (1848–1923).

Zero-sum games

The Minimax Theorem

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Figure: John von Neumann (1903–1957) and Oskar Morgenstern (1902–1977).



Source: <https://czthomas.files.wordpress.com>

Thank you for your attention.