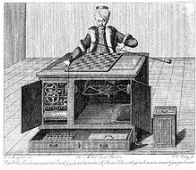


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The Turk,

an experimental chess program developed in the mid 90s by two students of the [University of Alberta](#) and members of the *Games research group* ^[1], [Yngvi Björnsson](#) and [Andreas Junghanns](#), which competed the [WMCCC 1996](#) in [Jakarta](#). It uses [NegaScout](#) and also includes most search enhancement found in contemporary chess programs, such as [extensions](#), [quiescence search](#), and [transposition table](#). [Move ordering](#) considers [captures](#) in [MVV-LVA](#) order, and the [history heuristic](#) is used to sort the remaining moves. The [best move](#) previously found in a position is stored in the transposition table and searched first where applicable. The Turk was test-bed of various [pruning techniques](#) such as [Uncertainty Cut-Offs](#) ^[2] and [Multi-Cut](#) ^[3].

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Publications

- [Yngvi Björnsson](#), [Tony Marsland](#), [Jonathan Schaeffer](#), [Andreas Junghanns](#) (1997). *Searching with Uncertainty Cut-offs*. [ICCA Journal](#), Vol. 20, No. 1
- [Yngvi Björnsson](#), [Tony Marsland](#), [Jonathan Schaeffer](#), [Andreas Junghanns](#) (1997). *Searching with Uncertainty Cut-offs*. [Advances in Computer Chess 8](#)
- [Yngvi Björnsson](#), [Tony Marsland](#) (1998). [Multi-cut Pruning in Alpha-Beta Search](#). [CG 1998](#)
- [Yngvi Björnsson](#), [Tony Marsland](#) (2001). *Multi-cut Alpha-Beta Pruning in Game Tree Search*. *Theoretical Computer Science*, Vol. 252, [pdf](#)

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References

1. [^ Games research group](#)
2. [^ Yngvi Björnsson](#), [Tony Marsland](#), [Jonathan Schaeffer](#), [Andreas Junghanns](#) (1997). *Searching with Uncertainty Cut-offs*. *ICCA Journal*, Vol. 20, No. 1
3. [^ Yngvi Björnsson](#), [Tony Marsland](#) (2001). *Multi-cut Alpha-Beta Pruning in Game Tree Search*. *Theoretical Computer Science*, Vol. 252, [pdf](#)
4. [^](#) Copper engraving from the book: [Karl Gottlieb von Windisch](#) (1783). *Briefe über den Schachspieler von Kempelen nebst drey Kupferstichen die diese berühmte Maschine vorstellen*. [The Turk from Wikipedia](#)
5. [^](#) [Wolfgang von Kempelen from Wikipedia](#)
6. [^](#) [Johann Nepomuk Maelzel from Wikipedia](#)
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