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**Treebeard**, a multi-platform, commercial chess program developed by [Jeff Rollason](#), supported by [Didzis Cirulis](#). Treebeard, an [AI Factory](#) product, applies a complex [Swapping Off Material Analyzer](#) (SOMA) of the whole board, also considering [pins](#) and [ties to defend](#) against [captures](#), [forks](#) and even [mate threats](#), similar as described in Rollason's SUPER-SOMA approach for [Shogi](#) <sup>[1]</sup>, which guides a probability-based [tree search](#). Treebeard comes with an optional [3D Board](#) as version of Chess for the [PC](#), and is currently the chess engine used by [Microsoft](#) for their [MSN Chess](#) <sup>[2]</sup> <sup>[3]</sup>. Further, Treebeard is incorporated in AI Factory's [Chess Free](#) for [Android](#) <sup>[4]</sup>.

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- [Tolkien characters](#)

## Publications

- [Jeff Rollason](#) (2000). [SUPER-SOMA - Solving Tactical Exchanges in Shogi without Tree Searching](#). [CG 2000](#), [Word preprint](#)
- [Jeff Rollason](#), [Didzis Cirulis](#) (2005). [Treebeard - A new way to do Chess](#). [AI Factory](#), Summer 2005
- [Jeff Rollason](#) (2006). [Looking for Alternatives to Quiescence Search](#). [AI Factory](#), Autumn 2006 » [Quiescence Search](#), [SOMA](#)

## Forum Posts

- [Treebeard Chess Engine](#) by [cornetmike](#), [CCC](#), June 08, 2007
- [Treebeard chess engine](#) by [Ruxy Sylwyka](#), [CCC](#), February 28, 2009
- [Free Chess program in Android](#) by [Fernando Villegas](#), [CCC](#), December 03, 2014

## External Links

- [AI Factory Chess Treebeard](#)
- [Treebeard \(fictional character\) from Wikipedia](#)
- [Treebeard - an Open Source XSLT IDE](#)

## References

1. <sup>^</sup> [Jeff Rollason](#) (2000). [SUPER-SOMA - Solving Tactical Exchanges in Shogi without Tree Searching](#). [CG 2000](#), [Word preprint](#)
2. <sup>^</sup> [AI Factory Chess Treebeard](#)
3. <sup>^</sup> [Chess - MSN Games - Free Online Games](#)
4. <sup>^</sup> [Free Chess program in Android](#) by [Fernando Villegas](#), [CCC](#), December 03, 2014
5. <sup>^</sup> ["Treebeard and Hobbits"](#) by [Tom Loback](#), from [Ent from Wikipedia](#)

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