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Disco ball <sup>[5]</sup>

**DiscoCheck**, (former DoubleCheck) a free [open source engine](#) under the [GNU General Public License](#), written in [C++](#). DiscoCheck is [UCI](#) compatible and can be compiled for [Linux](#), [Android](#) <sup>[1]</sup>, [Windows](#), and [Mac OS X](#). It performs [PVS alpha-beta](#) with [transposition table](#), [null move pruning](#), [LMR](#) and various enhancements inside an [iterative deepening](#) framework with [aspiration windows](#). DiscoCheck determines [sliding piece attacks](#) with [magic bitboards](#), first using [Pradu Kannan's](#) implementation, later the GPL conform version by [Borko Bošković](#) as used in [MinkoChess](#) (then called Umko) <sup>[2]</sup>. Early versions used the author's own implementation of [rotated bitboards](#), adapted from his earlier engine BibiChess 0.5. In June 2017, a new DiscoChess dubbed [Demolito](#) was announced, completely rewritten, featuring [SMP](#) and [Chess960](#) <sup>[3]</sup> <sup>[4]</sup>.

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## See also

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- [Double Check](#)

## Forum Posts

- [Discocheck "Boney M" is out](#) by Lucas Braesch, [CCC](#), June 28, 2012
- [DiscoCheck 4.0.0 \(release candidate\)](#) by Lucas Braesch, [CCC](#), January 27, 2013
- [DiscoCheck 4.1 released](#) by Lucas Braesch, [CCC](#), March 23, 2013
- [DiscoCheck 4.2](#) by Lucas Braesch, [CCC](#), May 21, 2013
- [DiscoCheck 4.3 is out](#) by Lucas Braesch, [CCC](#), July 14, 2013
- [DiscoCheck 5.0 released](#) by Lucas Braesch, [CCC](#), October 25, 2013
- [DiscoCheck 5.1](#) by Lucas Braesch, [CCC](#), December 08, 2013
- [DiscoCheck 5.2 released](#) by Lucas Braesch, [CCC](#), January 11, 2014
- [New DiscoCheck is cooking](#) by Lucas Braesch, [CCC](#), June 04, 2017

## External Links

### Chess Engine

- [lucasart/chess · GitHub](#)
- [UCI and XBoard Engines for Android](#) maintained by [Aart Bik](#) » [Android](#)
- [DiscoCheck](#) at [CCRL 40/40](#)

### Misc

- [Disco from Wikipedia](#)
- [Disco \(disambiguation\) from Wikipedia](#)
- [Frank Zappa - Disco Boy](#), [YouTube](#) Video  
lineup: [Frank Zappa](#), [Adrian Belew](#), [Tommy Mars](#), [Peter Wolf](#), [Patrick O'Hearn](#), [Terry Bozzio](#), [Ed Mann](#)

## References

1. <sup>^</sup> [UCI and XBoard Engines for Android](#) maintained by [Aart Bik](#)
2. <sup>^</sup> [Double/DiscoCheck](#) from [WBEC Ridderkerk](#)

3. ^ [New DiscoCheck is cooking](#) by Lucas Braesch, [CCC](#), June 04, 2017
4. ^ [GitHub - lucasart/Demolito: UCI Chess Engine](#)
5. ^ [Disco ball Image](#) by [Sarah](#), February 24, 2010, [CC BY 2.0](#), [Wikimedia Commons](#)

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