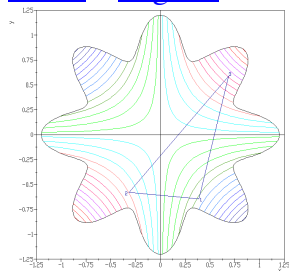


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[Amoeba search](#) of [Simionescu function](#) ^[5]

Amoeba,
an [UCI](#) compliant [open source chess engine](#) by [Richard Delorme](#),
written in [D language](#), first released
in May 2016 ^[1], licensed under the
[GPL v3.0](#). Amoeba uses the
[Nelder–Mead method](#) ^[2] or
downhill simplex method ^[3] to [tune](#)
its [evaluation](#) parameters, also
called **amoeba** method and
eponym of the program ^[4].

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[Tournament Manager](#)

- With the release of Amoeba **2.1**, the code of a tournament manager was published also written in [D](#)

[language](#), used to validate or reject Amoeba changes ^[7]. So far only with fixed time per move, it

- can use various [openings](#) from [pgn file](#)
- can play several games in parallel
- can set H0 & H1 [hypothesis](#) for [SPRT](#) ^[8]
- can save played game to a pgn file

See also

- [Dumb](#)

Forum Posts

2016

- [amoeba a new UCI engine](#) by [Richard Delorme](#), [CCC](#), May 20, 2016
- [Amoeba 1.3 released](#) by [Richard Delorme](#), [CCC](#), August 03, 2016
- [Amoeba 2.0](#) by [Richard Delorme](#), [CCC](#), November 27, 2016

2017

- [amoeba 2.1](#) by [Richard Delorme](#), [CCC](#), January 24, 2017
- [sprt tourney manager](#) by [Richard Delorme](#), [CCC](#), January 24, 2017 » [Amoeba Tournament Manager](#), [SPRT](#)
- [amoeba 2.2 released](#) by [Günther Simon](#), [CCC](#), March 03, 2017
- [Amoeba 2.4](#) by [Richard Delorme](#), [CCC](#), April 19, 2017
- [Amoeba 2.5](#) by [Richard Delorme](#), [CCC](#), June 07, 2017
- [Amoeba 2.6](#) by [Richard Delorme](#), [CCC](#), September 22, 2017
- [Amoeba 2.7](#) by [Richard Delorme](#), [CCC](#), December 11, 2017

2018

- [Amoeba 2.8](#) by [Richard Delorme](#), [CCC](#), March 18, 2018

External Links

Chess Engine

- [GitHub - abulmo/amoeba: an UCI chess engine in d language](#)
- [Amoeba](#) in [CCRL 40/40](#)

Misc

- [Amoeba from Wikipedia](#)
- [amoeba - Wiktionary](#)
- [Amoeba \(genus\) from Wikipedia](#)
- [Amoeba \(disambiguation\) from Wikipedia](#)
- [Amoeba \(mathematics\) from Wikipedia](#)

References

1. [^ amoeba a new UCI engine](#) by [Richard Delorme](#), [CCC](#), May 20, 2016
2. [^ John Nelder](#), [Roger Mead](#) (1965). *A Simplex Method for Function Minimization*. [The Computer Journal](#), Vol. 7, No. 4, doi:[10.1093/comjnl/7.4.308](#)
3. [^ Margaret H. Wright](#) (2012). *Nelder, Mead, and the Other Simplex Method*. [Documenta Mathematica](#), [Extra Volume Optimization Stories](#), [pdf](#)
4. [^ amoeba/README.md at master · abulmo/amoeba · GitHub](#)
5. [^ Animated Nelder-Mead minimum search of Simionescu function](#), by Pasimi, November 22, 2016, [CC BY-SA 4.0](#), [Wikimedia Commons](#)
6. [^ Features as mentioned in amoeba/README.md at master · abulmo/amoeba · GitHub](#)
7. [^ sprrt tourney manager](#) by [Richard Delorme](#), [CCC](#), January 24, 2017
8. [^ The SPRT without draw model, elo model or whatever...](#) by [Michel Van den Bergh](#), [CCC](#), September 01, 2015

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