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Eastern spiny mouse - a Rodent ^[4]

Rodent,

an [UCI](#) compliant [open source chess engine](#) by [Pawel Koziol](#) licensed under the [GPL](#), initially based on [Sungorus 1.4](#) by [Pablo Vazquez](#), initially with evaluation parameters borrowed from the [Toga log user manual](#). Rodent may be regarded as a beefed up [bitboard](#) version of the [CPW-Engine](#) ^[1], and features adjustable [playing strength](#) and different personalities. **Rodent II**, released in February 2016 ^[2], was a complete rewrite, now using the [magic bitboard](#) implementation by [Pradu Kannan](#). **Rodent III**, released in March 2017, has been programmed for [tunability](#). One can turn it into a crazy attacker or an old-fashioned positional player ^[3].

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- [Eval Pruning](#) (a.k.a. static null move)
- [Internal Iterative Deepening](#) in [PV-Nodes](#)

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- [Material Evaluation](#) uses some of [Larry Kaufman's](#) formulas ^[5]
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Misc

- Own [Opening Book](#) Format
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Selected Games

[Rodent II 0.8.7 x64](#) vs. [Gaviota 1.0 AVX x64](#), March 11, 1016 by [Frank Quisinsky](#) ^[6]

```
[Event "40/10"]
[Site "rodentII_087-x64, FCP-3"]
[Date "2016.03.11"]
[Round "13.41"]
[White "Rodent II 0.8.7 x64"]
[Black "Gaviota 1.0 AVX x64"]
[Result "1-0"]
[ECO "C78"]
[Opening "Spanish"]
[Variation "Archangelsk, 7.c3 Nxe4"]
```

```
1.e4 e5 2.Nf3 Nc6 3.Bb5 a6 4.Ba4 Nf6 5.O-
O b5 6.Bb3 Bb7 7.c3 Nxe4 8.d4 Na5 9.Nxe5 Nxb3
```

10.Qxb3 Qf6 11.f3 Nc5 12.Ng4 Nxb3 13.Nxf6+ Ke7 14.Bg5 Nxa1 15.Re1+ Kd6 16.Bf4+ Kc6
17.d5+ Kc5 18.b4+ Kc4 19.Na3+ Kxc3 20.Ne4+ Kxb4 21.Rb1+ Ka5 22.Bxc7+ Ka4 23.Nc3+ Kxa3
24.Bf4 Bc5+ 25.Kh1 Be3 26.Bxe3 Bxd5 27.Bc1# 1-0

See also

- [Capivara](#)
- [CPW-Engine](#)
- [Eichhörnchen](#)
- [Gerbil](#)
- [GopherCheck](#)
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- [LearningLemming](#)
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Forum Posts

2011

- [open source gift for Christmas](#) by [Pawel Koziol](#), [CCC](#), December 25, 2011

2012

- [Rodent 0.11](#) by [Pawel Koziol](#), [CCC](#), February 16, 2012
- [Rodent 0.12](#) by [Pawel Koziol](#), [CCC](#), February 29, 2012
- [Rodent 0.13](#) by [Pawel Koziol](#), [CCC](#), March 25, 2012
- [Rodent 0.14](#) by [Pawel Koziol](#), [CCC](#), April 19, 2012
- [Rodent 0.15 released](#) by [Pawel Koziol](#), [CCC](#), May 27, 2012
- [Rodent 0.16](#) by [Pawel Koziol](#), [CCC](#), October 08, 2012
- [Rodent 0.17 for New Year!](#) by [Pawel Koziol](#), [CCC](#), December 31, 2012

2013

- [Rodent 0.18 released](#) by [Pawel Koziol](#), [CCC](#), February 02, 2013
- [Rodent turns 1.0 !](#) by [Pawel Koziol](#), [CCC](#), March 05, 2013
- [Rodent 1.1 released](#) by [Pawel Koziol](#), [CCC](#), September 30, 2013
- [Rodent 1.2 released](#) by [Pawel Koziol](#), [CCC](#), November 02, 2013
- [Rodent goes online](#) by [Pawel Koziol](#), [CCC](#), November 26, 2013
- [new Rodent book](#) by [Pawel Koziol](#), [CCC](#), December 31, 2013

2014

- [Rodent 1.3](#) by [Pawel Koziol](#), [CCC](#), January 21, 2014
- [Rodent 1.4](#) by [Pawel Koziol](#), [CCC](#), April 30, 2014
- [Rodent 1.5](#) by [Pawel Koziol](#), [CCC](#), September 08, 2014
- [Rodent 1.6 released](#) by [Pawel Koziol](#), [CCC](#), November 02, 2014
- [Rodent's new soul?](#) by [Pawel Koziol](#), [CCC](#), November 17, 2014

2015

- [Rodent 1.7 is out](#) by [Pawel Koziol](#), [CCC](#), March 18, 2015
- [Mini Rodent asks for code review](#) by [Pawel Koziol](#), [CCC](#), October 01, 2015 [\[7\]](#)
- [Mini Rodent 1.0](#) by [Pawel Koziol](#), [CCC](#), October 26, 2015

2016

- [Rodent II is out](#) by [Pawel Koziol](#), [CCC](#), February 15, 2016
- [Very nice game ... Rodent - Gaviota, 1:0](#) by [Frank Quisinsky](#), [CCC](#), March 12, 2016
- [Rodent II 0.9.33](#) by [Pawel Koziol](#), [CCC](#), May 23, 2016
- [Rodent II 0.9.64 released](#) by [Pawel Koziol](#), [CCC](#), September 22, 2016
- [Rodent online personality creator](#) by [Pawel Koziol](#), [CCC](#), October 25, 2016
- [Rodent Karpov+Topalov REALISTIC Personalities \(coming soon\)](#) by [Brendan J. Norman](#), [CCC](#), November 04, 2016

2017

- [Rodent needs a new developer](#) by [Pawel Koziol](#), [CCC](#), February 15, 2017
- [Rodent III released](#) by [Pawel Koziol](#), March 11, 2017
- [Rodent news](#) by [Pawel Koziol](#), August 21, 2017
- [A group of angry Rodents](#) by [Brendan J. Norman](#), [CCC](#), November 10, 2017
- [OpenTal - almost new engine](#) by [Pawel Koziol](#), [CCC](#), December 17, 2017
- [Rodent III with multi-pv \(unofficial release\)](#) by [Pawel Koziol](#), [CCC](#), December 31, 2017

2018

- [The Most Interesting Chess Game Ever?](#) by [Brendan J. Norman](#), [CCC](#), January 11, 2018

External Links

Chess Engine

- [Rodent Chess](#)
- [GitHub - nescitus/Rodent III](#)

- [GitHub - nescitus/Rodent II](#)
- [rodent chess](#) at [SourceForge.net](#)
- [Rodent](#) in [CCRL 40/4](#)
- [Chess Engine Review: Rodent II](#) by [Brendan J. Norman](#), [ChessnCognac](#)
- [Rodent Chess Engine: The AMAZING Strangler Personality](#) by [Brendan J. Norman](#), [ChessnCognac](#)

Misc

- [Rodent from Wikipedia](#)
- [Rodent - Simple English Wikipedia](#)
- [Giant rat from Wikipedia](#)
- [Rock 'n' Rodent from Wikipedia](#)

References

1. [^ open source gift for Christmas](#) by [Pawel Koziol](#), [CCC](#), December 25, 2011
2. [^ Rodent II is out](#) by [Pawel Koziol](#), [CCC](#), February 15, 2016
3. [^ GitHub - nescitus/Rodent III](#)
4. [^ Eastern spiny mouse](#) Photo by [Marcel Burkhard](#), *Acomys dimidiatus*, [Gryzonie \(Rodentia\) - Wikipedia.pl](#)
5. [^ Larry Kaufman \(1999\). The Evaluation of Material Imbalances.](#) (first published in [Chess Life](#) March 1999, on-line version edited by [Dan Heisman](#))
6. [^ Very nice game ... Rodent - Gaviota, 1:0](#) by [Frank Quisinsky](#), [CCC](#), March 12, 2016
7. [^ nescitus/Rodent II · GitHub](#)

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