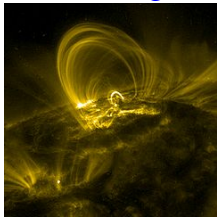


[Home](#) \* [Engines](#) \* **TRACE**



[TRACE](#) image of the [Sun](#) <sup>[4]</sup> <sup>[5]</sup>

**TRACE**, (Tracey & Ross' Australian Chess Engine) a free [WinBoard](#) compliant chess engine written by [Ross Boyd](#) in [C](#). Its development started in November 2002 based on [Tom Kerrigan's TSCP](#) <sup>[1]</sup>, and was first released in February 2003. TRACE uses standard techniques including [iterative deepening](#), [internal iterative deepening](#), [aspiration windows](#), [null move pruning](#), [selective search extensions](#), a [two-tier transposition table](#), [pawn hash table](#), and 5 man [Nalimov endgame tablebases](#). The [evaluation function](#) comprises of numerous [evaluation](#) terms, including [mobility](#), [king safety](#), [knight outposts](#) <sup>[2]</sup>. In 2006, along with some [search](#), [pruning](#) and evaluation tweaks, [late move reductions](#) have been implemented <sup>[3]</sup>.

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## Tournaments

TRACE played four [Australasian National Computer Chess Championships](#), where she was third at the [NC3 2003](#), fourth at the [NC3 2004](#), and two times runner-up in [NC3 2005](#) and [NC3 2006](#), where she was very close to win the tournament with draws from [Bodo](#) and [KnightCap](#), but lost the last round from [Chompster](#) <sup>[6]</sup>. Further, TRACE played a strong [CCT9](#) in 2007.

## Selected Games

[NC3 2006](#), round 2, [TRACE](#) - [Warp](#) <sup>[7]</sup>

```
[Event "NC3 2006"]
[Site "RedHill, Canberra, Australia"]
[Date "2006.08.20"]
[Round "2"]
[White "TRACE"]
[Black "Warp"]
[Result "1-0"]
```

```
1.Nf3 Nf6 2.d4 e6 3.c4 b6 4.g3 Ba6 5.Qb3 Nc6 6.Nbd2 Na5 7.Qc3 8.c5 Be7
9.e3 Bxf1 10.Kxf1 Qd7 11.a4 Nc6 12.Ne5 Nxe5 13.dxe5 Ng4 14.c6 Qc8 15.h
3
Nh6 16.e4 Qa6+ 17.Kg2 Rd8 18.Nb3 dxe4 19.Bxh6 gxh6 20.Nd4 Bc5 21.Nb5 O-
O
22.Rhe1 Rd3 23.Qc4 Rd2 24.Re2 Qa5 25.Qxe4 Rc8 26.Qg4+ Kh8 27.Rxd2 Qxd2
28.Qf3 Rf8 29.b3 Qb2 30.Rd1 Qc2 31.Rd7 Bxf2 32.Qc3 Qf5 33.Qd3 Qxd3 34.
Rxd3
Bc5 35.Rd7 a6 36.Nd6 cxd6 37.c7 Kg7 38.Rd8 d5 39.Rxf8 Bxf8 40.c8=Q a5
41.h4 Bc5 42.Qd8 Be3 43.h5 Bd4 44.Qf6+ Kf8 45.Qxh6+ Ke7 46.Qf6+ Ke8
1-0
```

## See also

- [Acronym](#)
- [Astronomy](#)

- [Logging](#)

## Forum Posts

- [Rybka v TRACE 1.35..... 19.5 - 0.5 @ 1+1 bullet](#) by [Ross Boyd](#), [CCC](#), December 05, 2005 » [Rybka](#)
- [TRACE v Gerbil in Larsson EG suite 30-10 @ 40/1'](#) by [Ross Boyd](#), [CCC](#), January 02, 2006 » [Gerbil](#)

## External Links

### Chess engine

- [TRACE Home](#)
- [TRACE Version History](#)
- [NC3 2003 - List of Entries](#)
- [NC3 2004 - List of Entries](#)
- [NC3 2005 - List of Entries](#)
- [NC3 2006 - List of Entries](#)
- [Trace](#) from [WBEC Ridderkerk](#)
- [Trace 1.36](#) in [CCRL 40/40](#)
- [Trace 1.37a](#) in [KCEC](#)

### Misc

- [TRACE \(Transition Region And Coronal Explorer\) from Wikipedia](#)
- [Trade Reporting And Compliance Engine, from Wikipedia](#)
- [Trace \(disambiguation\) from Wikipedia](#)
- [Branch trace from Wikipedia](#)
- [Stack trace from Wikipedia](#) » [Stack](#)
- [Trace \(psycholinguistics\) from Wikipedia](#)
- [Tracer \(disambiguation\) from Wikipedia](#)
- [Tracing \(disambiguation\) from Wikipedia](#)
- [Tracing \(software\) from Wikipedia](#)

## References

1. [^](#) [TRACE Home](#)
2. [^](#) [NC3 2003 - List of Entries](#)
3. [^](#) [NC3 2006 - List of Entries](#)
4. [^](#) Example of [solar coronal loops](#) observed by the Transition Region And Coronal Explorer ([TRACE](#)), 171 Å filter. These loops have a temperature of approximately 10<sup>6</sup> [K](#). These loops contrast greatly with the cool [chromosphere](#) below, [NASA](#) image
5. [^](#) [A collection of TRACE images \(24\)](#)

- 6. [^ NC3 2006 - Final Standing](#)
- 7. [^ NC3 2006 - Final Standing - 2006 Games](#)

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