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Story of a Comet ^[4]

Comet,
a [Chess Engine Communication Protocol](#) compatible chess program
by [Ulrich Türke](#). Comet is written
in [C](#) and therefor available for
several platforms ^[1]. Comet played
various [over the board tournaments](#)
, [Aegon Tournaments](#) ^{[2][3]}, three
[World Microcomputer Chess Championships](#), [1995](#), [1996](#) and
[1997](#), multiple [International Paderborn Computer Chess Championships](#), [CCT Tournaments](#)
, and the [ICT 2002](#).

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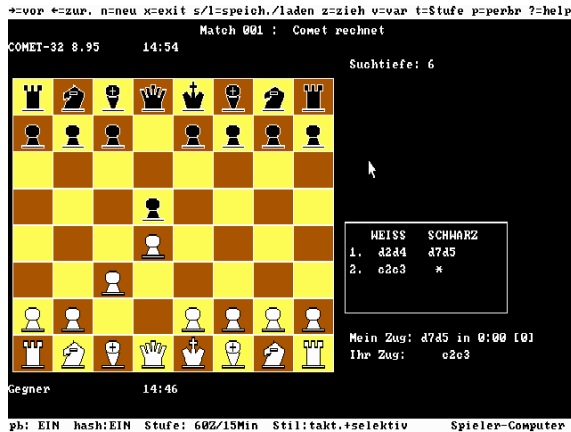
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Screenshot



Comet [DOS GUI](#) ^[5]

Description

given in 1997 from the [ICGA](#) site ^[6]:

- design and implementation in 1991 originally guided by [GNU Chess 3.0](#)
- standard - [search algorithm](#): [Minimax](#) + [Alpha-Beta](#) including "[Aspiration-Window](#)"; no [minimal window search](#).
- good [tactical](#) strength by conventional [extensions](#) and threat detection by [null-move heuristic](#)
- use of a sophisticated, domain-dependent evaluation window technique
- considerable [knowledge](#) implemented in [evaluation](#) modules
evaluation in 3 passes:
 1. scan and evaluation of [pawn structure](#)
 2. piece and king evaluation depending on the results of pass 1
 3. evaluation of global positional characteristics
- implementation of various classes of [killer moves](#)
- [selectivity](#):
 - a) [Razoring](#) , modified [fail high reduction](#) at [depth 1](#)
 - b) [null move search](#), partly with reduced search depth
 - c) [quiescence](#) cut-offs as in [GNU-Chess](#)

- [opening book](#) with 120000 positions

Selected Games

[WMCCC 1997](#), round 11, [Comet](#) - [The Crazy Bishop](#) ^[7]

```
[Event "WMCCC 1997"]
[Site "Paris, France"]
[Date "1997.11.02"]
[Round "11"]
[White "Comet"]
[Black "The Crazy Bishop"]
[Result "1-0"]
```

```
1.e4 c5 2.Nf3 Nc6 3.d4 cxd4 4.Nxd4 Nf6 5.Nc3 e5 6.Ndb5 d6 7.Bg5 a6 8.N
a3 Be7
9.Bc4 O-O 10.Bxf6 Bxf6 11.Bd5 Rb8 12.O-
O Nd4 13.Nc4 b5 14.Ne3 Bg5 15.Ne2 Bxe3
16.fxe3 Ne6 17.Ng3 Qb6 18.Qd2 Nc7 19.Bb3 Be6 20.Nf5 Bxf5 21.Rxf5 Ne8 2
2.Raf1
Nf6 23.Rxf6 gxf6 24.Rxf6 a5 25.Qf2 Kh8 26.Rh6 Rg8 27.Bxf7 Rg7 28.Bd5 Q
d8 29.Rf6
Rc7 30.c3 b4 31.c4 a4 32.Qf5 Re7 33.Bf7 Qd7 34.Be6 Qd8 35.c5 Rg7 36.c6
a3 37.b3
Qe7 38.c7 Qxc7 39.Rf8+ Rg8 40.Bxg8 Rxf8 41.Qxf8 Qg7 42.Qxg7+ Kxg7 43.B
d5 1-0
```

See also

- [Astronomy](#)

Forum Posts

1997 ...

- [Comet A.75 in test](#) by [Jouni Uski](#), [CCC](#), November 30, 1997
- [Comet A 82](#) by [Fernando Villegas](#), [CCC](#), January 25, 1998
- [Comet against Humans](#) by [Ulrich Turke](#), [CCC](#), May 05, 1998
- [Comet A90](#) by [Thorsten Czub](#), [CCC](#), May 16, 1998
- [Comet A.90 on Winboard](#) by Earl H. Castillo, [CCC](#), August 15, 1998
- [New Comet B02 Version!](#) by Christian Goralski, [CCC](#), May 30, 1999

2000 ...

- [Paderborn : A "human" pawn sac by Comet !](#) by Côme, [CCC](#), February 11, 2000 » [IPCCC 2000](#)
- [Re: Comet B18 Whats new?](#) by [Ulrich Törke](#), [CCC](#), March 24, 2000 » [Passed Pawn](#), [Bad bishop](#)
- [Comet B.31 by Dr. Ulrich Törke is available !](#) by [Frank Quisinsky](#), [CCC](#), March 10, 2001
- [Paderborn Comet](#) by Edward Seid, [CCC](#), March 02, 2002 » [IPCCC 2002](#)
- [xboard/Linux version of Comet B.46 available!](#) by [Leo Dijkman](#), [CCC](#), June 10, 2002
- [Comet B48 under Chess Partner 5.2](#) by [Shaun Brewer](#), [CCC](#), September 13, 2002
- [Re: Comet 62b, where I look for it?](#) by [Ulrich Törke](#), [CCC](#), October 21, 2003
- [Testposition from Comet-The Baron](#) by [Richard Pijl](#), [CCC](#), February 15, 2004 » [The Baron](#), [IPCCC 2004](#)
- [Re: Comet B68 a little question...](#) by [Ulrich Törke](#), [CCC](#), March 21, 2004

2005 ...

- [What happened to Comet?](#) by [Fernando Villegas](#), [CCC](#), December 16, 2005
- [OT - Comet 17P Holmes](#) by [Charles Roberson](#), [CCC](#), October 31, 2007 » [Holmes](#) ^[8]
- [A Propos "Comet"](#) by [Fernando Villegas](#), [CCC](#), October 13, 2009

2010 ...

- [Comet B15, Amy 0.6 Green Light Chess 2.07a available ...](#) by [Frank Quisinsky](#), [CCC](#), February 04, 2010 » [Amy](#), [Green Light Chess](#)
- [More about Comet B68](#) by [Fernando Villegas](#), [CCC](#), August 06, 2011

External Links

Chess Engine

- [Comet's ICGA Tournaments](#)
- [Comet](#) from [WBEC Ridderkerk](#)
- [Index of /chess/engines/Norbert's collection/Comet \(Compilation\)](#) by [Norbert Raimund Leisner](#), hosted by [Kirill Kryukov](#)
- [Comet B68](#) in [CCRL 40/40](#)

Comet

- [Comet \(disambiguation\) from Wikipedia](#)
- [Comet from Wikipedia](#)
- [Great Comet from Wikipedia](#)
- [Comet nucleus from Wikipedia](#)
- [Coma \(cometary\) from Wikipedia](#)
- [Comet tail from Wikipedia](#)
- [Lists of comets from Wikipedia](#)
- [Comet Holmes from Wikipedia](#)
- [Halley's Comet from Wikipedia](#)

- [Bill Haley & His Comets](#) - [Hot Dog Buddy Buddy](#), from [Don't Knock the Rock](#) (1956), [YouTube Video](#)

References

1. [^ Comet from WBEC-Ridderkerk](#)
2. [^ CSVN Aegon 1996 site](#)
3. [^ CSVN Aegon 1997 site](#)
4. [^ Story of a Comet](#) by [Luis Ricardo Falero](#), before 1897, [Oil on canvas](#), [Wikimedia Commons](#)
5. [^ Septober - Computerschach](#) by [Herbert Marquardt](#)
6. [^ Comet's ICGA Tournaments](#)
7. [^ Paris 1997 - Chess - Round 11 - Game 6 \(ICGA Tournaments\)](#)
8. [^ Comet Holmes from Wikipedia](#)

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Daniel Mehrmann	Dec 13, 2015
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Green Light Chess	Jan 21, 2018
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