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X3D Garry Kasparov during game

1 ^[4]

Kasparov versus X3D Fritz 2003,

a match between at that time world No. 1 player [Garry Kasparov](#) and [X3D Fritz](#) by [ChessBase](#) in cooperation with main sponsor *X3D Technologies* at [Athletic Club, City House, Central Park South, New York City, New York](#), November 11-18, [2003](#).

The four games match, telecasted by [ESPN](#), ended in a 2-2 tie. Garry Kasparov won game 3, Fritz won game 2 due to a one move blunder 32... Rg7 by Kasparov ^[1], and two remaining games 1 and 4 were draws. X3D Fritz ran on four [Intel Pentium 4 Xeon](#) CPUs at 2.8 GHz ^[2]. Kasparov, wearing special X3D [glasses](#) ^[3], saw a X3D three-dimensional projection of the [board](#) floating in the air in front of him. He spoke his moves out loud, thus conveying them to the computer which had a [speech recognition](#) system.

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World Championship?

Albeit in 2003 Kasparov was no longer [World Chess Champion](#) ^[5], he was still undisputed No. 1. This was not the case for [Fritz](#), even if [ChessBase](#) claimed it was the most dominant chess program ^[6]. [Junior](#) which already [drew Kasparov earlier this year](#), was still the reigning [world champion](#), and after discussions with many authors of chess programs other than Fritz, the [ICGA](#) choose not to sanction the commercial event as *Man vs. Machine World Championship* or *First World Chess Championship* in [Virtual Reality](#), but a few days before the upcoming [WCCC 2003](#) in [Graz](#), viewed the concept of the match as being very interesting for all chess lovers and the computer-chess community in particular ^[7].

Games

Round 1

^[8]

```
[Event "X3D Man vs. Machine Match"]
[Site "New York Athletic Club"]
[Date "2003.11.11"]
[Round "1"]
[White "Garry Kasparov"]
[Black "X3D Fritz"]
[Result "1/2-1/2"]
```

1.Nf3 d5 2.c4 c6 3.d4 Nf6 4.Nc3 e6 5.e3 Nbd7 6.Qc2 Bd6 7.g4 Bb4 8.Bd2
Qe7 9.Rg1 Bxc3
10.Bxc3 Ne4 11.O-O-
O Qf6 12.Be2 Nxf2 13.Rdf1 Ne4 14.Bb4 c5 15.cxd5 exd5 16.dxc5 Qe7
17.Nd4 O-O 18.Nf5 Qe5 19.c6 bxc6 20.Bxf8 Kxf8 21.Ng3 Ndc5 22.Nxe4 Nxe4
23.Bd3 Be6
24.Bxe4 dxe4 25.Rf4 Bd5 26.Qc5+ Kg8 27.Rgf1 Rb8 28.R1f2 Qc7 29.Rc2 Qd7
30.h4 Qd8
31.g5 Bxa2 32.Rxe4 Qd3 33.Rd4 Qxe3+ 34.Rcd2 Qe1+ 35.Rd1 Qe3+ 36.R1d2 Q
g1+ 1/2-1/2

Round 2

[\[9\]](#) [\[10\]](#)

[Event "X3D Man vs. Machine Match"]
[Site "New York Athletic Club"]
[Date "2003.11.13"]
[Round "2"]
[Black "X3D Fritz"]
[Black "Garry Kasparov"]
[Result "1-0"]

1.e4 e5 2.Nf3 Nc6 3.Bb5 Nf6 4.d3 d6 5.c3 g6 6.O-O Bg7 7.Nbd2 O-
O 8.Re1 Re8 9.d4 Bd7
10.d5 Ne7 11.Bxd7 Nxd7 12.a4 h6 13.a5 a6 14.b4 f5 15.c4 Nf6 16.Bb2 Qd7
17.Rb1 g5
18.exf5 Qxf5 19.Nf1 Qh7 20.N3d2 Nf5 21.Ne4 Nxe4 22.Rxe4 h5 23.Qd3 Rf8
24.Rbe1 Rf7
25.R1e2 g4 26.Qb3 Raf8 27.c5 Qg6 28.cxd6 cxd6 29.b5 axb5 30.Qxb5 Bh6 3
1.Qb6 Kh7
32.Qb4 Rg7 33.Rxe5 dxe5 34.Qxf8 Nd4 35.Bxd4 exd4 36.Re8 Rg8 37.Qe7+ Rg
7 38.Qd8 Rg8
39.Qd7+ 1-0

Round 3

[\[11\]](#)

[Event "X3D Man vs. Machine Match"]
[Site "New York Athletic Club"]
[Date "2003.11.16"]
[Round "3"]

[White "Garry Kasparov"]
[Black "X3D Fritz"]
[Result "1-0"]

1.Nf3 Nf6 2.c4 e6 3.Nc3 d5 4.d4 c6 5.e3 a6 6.c5 Nbd7 7.b4 a5 8.b5 e5 9.
.Qa4 Qc7 10.Ba3
e4 11.Nd2 Be7 12.b6 Qd8 13.h3 O-
O 14.Nb3 Bd6 15.Rb1 Be7 16.Nxa5 Nb8 17.Bb4 Qd7 18.Rb2
Qe6 19.Qd1 Nfd7 20.a3 Qh6 21.Nb3 Bh4 22.Qd2 Nf6 23.Kd1 Be6 24.Kc1 Rd8
25.Rc2 Nbd7
26.Kb2 Nf8 27.a4 Ng6 28.a5 Ne7 29.a6 bxa6 30.Na5 Rdb8 31.g3 Bg5 32.Bg2
Qg6 33.Ka1 Kh8
34.Na2 Bd7 35.Bc3 Ne8 36.Nb4 Kg8 37.Rb1 Bc8 38.Ra2 Bh6 39.Bf1 Qe6 40.Q
d1 Nf6 41.Qa4 Bb7
42.Nxb7 Rxb7 43.Nxa6 Qd7 44.Qc2 Kh8 45.Rb3 1-0

Round 4

[\[12\]](#)

[Event "X3D Man vs. Machine Match"]
[Site "New York Athletic Club"]
[Date "2003.11.18"]
[Round "4"]
[Black "X3D Fritz"]
[Black "Garry Kasparov"]
[Result "1/2-1/2"]

1.d4 d5 2.c4 dxc4 3.Nf3 e6 4.e3 Nf6 5.Bxc4 c5 6.O-
O a6 7.Bb3 cxd4 8.exd4 Nc6 9.Nc3 Be7
10.Re1 O-O 11.Bf4 Na5 12.d5 Nxb3 13.Qxb3 exd5 14.Rad1 Be6 15.Qxb7 Bd6
16.Bg5 Rb8 17.Qxa6
Rxb2 18.Bxf6 Qxf6 19.Qxd6 Qxc3 20.Nd4 Rxa2 21.Nxe6 fxe6 22.Qxe6+ Kh8 2
3.Rf1 Qc5 24.Qxd5
Rfxf2 25.Rxf2 Qxf2+ 26.Kh1 h6 27.Qd8+ Kh7 1/2-1/2

See also

- [Kramnik versus Deep Fritz 2002](#)
- [Kasparov versus Deep Junior 2003](#)
- [WCCC 2003](#)

Publications

- The Board of the [ICGA](#) (2003). *Garry Kasparov vs. X3D Fritz*. [ICGA Journal](#), Vol. 26, No. 3
- [David Levy](#) (2003). *Kasparov vs X3D Fritz*. [ICGA Journal](#), Vol. 26, No. 4 ^[13]
- [Eric Hallsworth](#) (2003/2004). *Kasparov - X3D Fritz*. [Selective Search](#) 109, pp. 27, [pdf](#) hosted by [Mike Watters](#)
- [Frederic Friedel](#) (2004). [Schachmatt in Virtual Reality](#). [Computerschach und Spiele](#) Online, Probeausgabe (German)

Forum Posts

- [Remarkable Friedel Interview about the X3D-match](#) by [Gerd Isenberg](#), [CCC](#), November 03, 2003
- [X3D Fritz engine testing](#) by [Mig Greengard](#), [CCC](#), November 10, 2003
- [Kasparov,G vs X3D Fritz \(1\) draw \(PGN\)](#) by [Kurt Utzinger](#), [CCC](#), November 11, 2003
- [Kaspavor - X3D Fritz Update](#) by [John Merlino](#), [CCC](#), November 13, 2003
- [Fritz X3D vs Kasparov,G \(2\) 1-0 \(PGN\)](#) by [Kurt Utzinger](#), [CCC](#), November 13, 2003
- [Kasparov,G vs Fritz X3D \(3\) 1-0 PGN and live comments](#) by [Kurt Utzinger](#), [CCC](#), November 16, 2003
- [Fritz X3D vs Kasparov,G \(4\) draw \(PGN\) Live comments](#) by [Kurt Utzinger](#), [CCC](#), November 18, 2003
- [Kasparov 's insight into his match with X3D Fritz](#) by [Mig Greengard](#), [CCC](#), November 21, 2003
- [A historical game](#) by [Lyudmil Tsvetkov](#), [CCC](#), November 19, 2014

External Links

- [X3D Fritz from Wikipedia](#)
- [Garry Kasparov tied X3D Fritz \(Computer\)](#), [chessgames.com](#)
- [ChessAssistance.com X3d Fritz vs. Kasparov Computer Analysis](#) by [Robert Pawlak](#), November 18, 2003
- [Kasparov, X3D Fritz Chess Matches Carried Live Online](#), November 20, 2003

ChessBase Articles

- [It's official – Garry Kasparov vs X3D Fritz](#), [ChessBase News](#), August 10 (12), 2003
- [ESPN Embraces Chess and Kasparov-X3D Fritz](#), [ChessBase News](#), August 25, 2003
- [It's Man vs Machine in virtual reality](#), [ChessBase News](#), November 03, 2003
- [May the Force be with him](#), November 08, 2003
- [Man vs. Machine – The Endless Fascination](#) by Ram Prasad, [ChessBase News](#), November 09, 2003
- [A semi-virtual trip to New York](#), [ChessBase News](#), November 12, 2003
- [X3D Fritz wins game two after Kasparov blackout](#), [ChessBase News](#), November 14, 2003
- [Kasparov strangles X3D Fritz in game three](#), [ChessBase News](#), November 17, 2003
- [Kasparov vs X3D Fritz match finishes 2-2 after game four draw](#), [ChessBase News](#), November 19, 2003
- [Back to reality after the virtual reality battle](#), [ChessBase News](#), November 21, 2003
- [David Levy on Kasparov vs X3D Fritz](#), [ChessBase News](#), November 21, 2003

Videos

- Kasparov vs X3D Fritz, Man vs Machine, Game 4 Part 1, 2, [YouTube](#) Videos

References

1. [^] Quote from [David Levy](#) (2003). *Kasparov vs X3D Fritz*. [ICGA Journal, Vol. 26, No. 4](#), The 3D environment: "With the [virtual reality](#) environment Kasparov was calling out his moves and did not have the luxury of changing his mind when he saw the piece in the air (or on a new square). After the match his second, Yuri Dokhian, asked him simply to remove the rook from the board in game two (instead of playing it to g7), and immediately Kasparov realised that ...Rg7 would be fatal."
2. [^] [X3D Fritz from Wikipedia](#)
3. [^] [Meant to be Seen - View topic - IZ3D + X3D glasses, a couple of problems](#), May 21, 2010
4. [^] [David Levy on Kasparov vs X3D Fritz](#), November 21, 2003
5. [^] [Classical World Chess Championship 2000](#)
6. [^] [It's Man vs Machine in virtual reality](#), November 03, 2003
7. [^] The Board of the [ICGA](#) (2003). *Garry Kasparov vs. X3D Fritz*. [ICGA Journal, Vol. 26, No. 3](#)
8. [^] [Kasparov,G vs X3D Fritz \(1\) draw \(PGN\)](#) by [Kurt Utzinger](#), [CCC](#), November 11, 2003
9. [^] [Fritz X3D vs Kasparov,G \(2\) 1-0 \(PGN\)](#) by [Kurt Utzinger](#), [CCC](#), November 13, 2003
10. [^] [A historical game](#) by [Lyudmil Tsvetkov](#), [CCC](#), November 19, 2014
11. [^] [Kasparov,G vs Fritz X3D \(3\) 1-0 PGN and live comments](#) by [Kurt Utzinger](#), [CCC](#), November 16, 2003
12. [^] [Fritz X3D vs Kasparov,G \(4\) draw \(PGN\) Live comments](#) by [Kurt Utzinger](#), [CCC](#), November 18, 2003
13. [^] [David Levy on Kasparov vs X3D Fritz](#), November 21, 2003

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Kasparov versus Deep Junior 2003	Mar 18, 2017
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