

[Home](#) * [Engines](#) * **Excel**Excel 68000 ^[6]

Excel, (Fidelity Excel, 68000 Mach I, 68000 Mach II, 68000 Mach III, 68020 Mach IV) a family of the [dedicated Chess Challenger](#) series by [Fidelity Electronics](#), produced and distributed from 1987 to 1989. The Excel had a 16-bit [Sargon III](#) based [68000](#) program by [Dan](#) and [Kathe Spracklen](#), and was the first dedicated unit featuring a [transposition table](#) apparently with [BCH hashing](#) of Mach II, 64 KiB for the **Mach III**, 512 KiB for the [68020 Mach IV](#). Due to TTs, the Excel could solve the [Lasker-Reichhelm Position](#) in under a minute, but had some issues with [color flipped](#) positions, f. i. in [KBNK](#) ^[1]. The Mach III and its successor, the [68020](#) 32-bit Mach IV were also shipped in other housings, such as the [Elite Avant Garde V2](#) ^[2] and Avant Garde V6 ^[3], and the later Fidelity **Designer** models ^[4] ^[5].

Table of Contents

[Master Rating](#)[See also](#)[Selected Publications](#)[Forum Posts](#)[External Links](#)[Chess Computer](#)[Misc](#)

[References](#)

[What links here?](#)

Master Rating

The 68000 Mach III was rated 2265 by the [United States Chess Federation`s](#) Computer Rating Agency, an independent certifying body. The computer obtained that [Master rating](#) by competing 48 tournament games against rated players ^[7]. The German Schach-computer Info Wiki mentions an (old) [SSDF](#) rating of 1993 ^{[8] [9]}.



Mach III Rating Certificate ^[10]

See also

- [Elite](#)
- [Fidelity](#)
- [Fidelity Electronics](#)
- [Par Excellence](#)

Selected Publications

- [Thorsten Czub \(1989\). Er weiß, was er weiß - Der Mach III Master glänzt mit Wissen und Geschwindigkeit. Computerschach und Spiele](#) Heft 2 April-Mai 1989, hosted by [Schachcomputer.info Wiki](#) (German)

Forum Posts

- [Zarkov vs. Mach III \(10 games\)](#) by [Stuart Cracraft](#), [rgc](#), November 05, 1989 » [Zarkov](#)
- [Fidelity Excel models](#) by [Alain Zanchetta](#), [CCC](#), May 18, 2004
- [Fidelity Excel Mach III design](#) by [Alain Zanchetta](#), [CCC](#), June 22, 2004
- [Inside Fidelity Excel Mach III](#) by [Alain Zanchetta](#), [CCC](#), September 06, 2004
- [Excel 68000 question](#) by Matthew Hull, [CCC](#), February 07, 2005
- [Rare Fidelity Excel Mach II on ebay](#) by Larry, [Hiarcs Forum](#), September 09, 2008

- [Difference between Fidelity Excel Mach3 versions...](#) by Larry, [Hiarcs Forum](#), June 24, 2009
- [The Fidelity Excel Mach II & The 1987 World Open](#) by Cyberchess, [Hiarcs Forum](#), February 17, 2014

External Links

Chess Computer

- [Chess Computer | Collectors Magazine | Fidelity | Excel 68000 | Mach III Chess Challenger](#)
- [Excel 68000 \(Fidelity\)](#) from [Electronicchess](#)
- [Excel Mach III \(Fidelity\)](#) from [Electronicchess](#)
- [Fidelity Excel 68000](#) from [Schachcomputer.info Wiki](#) (German)
- [Fidelity Excel 68000 Mach II](#) from [Schachcomputer.info Wiki](#) (German)
- [Fidelity Excel Mach III](#) from [Schachcomputer.info Wiki](#) (German)
- [Fidelity Excel Mach IV](#) from [Schachcomputer.info Wiki](#) (German)
- [Oldie-Artikel 1](#) by [Thorsten Czub](#) (German)

Misc

- [Excel \(disambiguation\)](#) from [Wikipedia](#)
- [Microsoft Excel](#) from [Wikipedia](#)
- [Excellent \(disambiguation\)](#) from [Wikipedia](#)
- [Excelsior \(disambiguation\)](#) from [Wikipedia](#)
- [Mach \(disambiguation\)](#) from [Wikipedia](#)

References

1. [^] [Fidelity Excel 68000](#) from [Schachcomputer.info Wiki](#) (German)
2. [^] [Fidelity Elite V2](#) from [Schachcomputer.info Wiki](#) (German)
3. [^] [Fidelity Elite V6](#) from [Schachcomputer.info Wiki](#) (German)
4. [^] [Fidelity Designer 2265 Master](#) from [Schachcomputer.info Wiki](#) (German)
5. [^] [Fidelity Designer 2325 Master](#) from [Schachcomputer.info Wiki](#) (German)
6. [^] [Flickr - Fotosharing - 2. Fidelity](#) by [Chewbanta](#)
7. [^] [Thorsten Czub \(1989\). Er weiß, was er weiß - Der Mach III Master glänzt mit Wissen und Geschwindigkeit. Computerschach und Spiele Heft 2 April-Mai 1989, hosted by Schachcomputer.info Wiki](#) (German)
8. [^] [Fidelity Excel Mach III](#) from [Schachcomputer.info Wiki](#) (German)
9. [^] [Wiki-Elo-Liste](#) from [Schachcomputer.info Wiki](#)
10. [^] [Flickr - Fotosharing - 2. Fidelity](#) by [Chewbanta](#)

What links here?

Page
[Aegon 1988](#)

Date Edited
Jan 22, 2017

Page	Date Edited
Aegon 1989	Jan 22, 2017
Aegon Tournaments	Jan 22, 2017
Alain Zanchetta	Feb 20, 2018
Aubervilliers Rapid Open	Mar 25, 2017
Elite	Oct 1, 2016
Engines	Mar 10, 2018
Excel	Dec 5, 2016
Excellence	Mar 23, 2014
Harvard Cup 1991	Oct 15, 2015
Netherlands-vs-Computers-1989	Mar 10, 2017
Par Excellence	Mar 23, 2014
Shawn Benn	Jan 2, 2015
USOCCC 1988	Dec 1, 2017
Zarkov	Feb 26, 2018

[Up one level](#)