

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

[Titan](#) behind [Epimetheus](#) and [the rings](#) <sup>[3]</sup>

**Titan**, (Socrates II)  
a chess engine by [Don Dailey](#) and [Larry Kaufman](#) affiliated with [Julio Kaplan's Heuristic Software](#), and like its predecessor [Heuristic Alpha](#) also written in [C](#) and never commercially released under its original name. Titan, intern also dubbed [Mini](#), was a kind of experimental development version and testbed of new ideas for the optimized [x86 assembly Socrates](#) versions.

Titan won the [ACM 1993](#) on a [486 PC](#), leaving [Cray Blitz](#), [\\*Tech](#) and [B\\*Hitech](#) behind, but was "traded" for [Socrates II](#) <sup>[1]</sup>, soon sold to [Electronic Arts](#) for their game AI of the mass-market entry [Kasparov's Gambit](#). Titan influenced the commercial [Socrates 3.0](#), which was released in 1993 not by Heuristic Software, but through a company called MDI <sup>[2]</sup>, and further started a academic career thanks to [MIT connections](#) yielding to [\\*Socrates](#).

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## Selected Games

[ACM 1993](#), round 2, [Socrates II](#) - [ChessMachine Schroder](#) <sup>[4]</sup>

```
[Event "ACM 1993"]
[Site "Indianapolis USA"]
[Date "1993.02.14"]
[Round "2"]
[White "Socrates II"]
[Black "Chessmachine Schroder"]
[Result "1-0"]
```

```
1.d4 d5 2.c4 c6 3.Nc3 Nf6 4.e3 e6 5.Nf3 Nbd7 6.b3 Bb4 7.Bd2 O-
O 8.Bd3 dxc4
9.bxc4 Nc5 10.Be2 Bxc3 11.Bxc3 Nce4 12.Bb4 c5 13.dxc5 Qc7 14.Qd4 a5 15
.Ba3
Rd8 16.Qe5 Qb8 17.Qxb8 Rxb8 18.Ne5 Bd7 19.f3 Nc3 20.Bb2 Na4 21.Bd4 Rbc
8
22.Nd3 Bc6 23.O-
O Nd7 24.Rac1 f6 25.e4 e5 26.Be3 Nf8 27.Rfd1 Ne6 28.Rc2
Nd4 29.Bxd4 Rxd4 30.Rb1 Rcd8 31.Rb3 h5 32.Kf2 Kf8 33.Ra3 Kf7 34.Ke3 g5
35.Rc1 Ke6 36.Bd1 Ke7 37.Bxa4 Bxa4 38.Rcc3 Bc6 39.Rxa5 Kf7 40.Ra7 Kg6
41.a4
g4 42.a5 h4 43.Nb4 Rd2 44.Rd3 R8xd3+ 45.Nxd3 gxf3 46.gxf3 Ra2 47.f4 ex
f4+
48.Nxf4+ Kf7 49.Nd5 Ra3+ 50.Kd4 Ra4 51.h3 Kf8 52.Nxf6 Ra3 53.Nd5 Rxh3
54.a6 bxa6 55.Rxa6 Be8 56.c6 Rh1 57.Ra8 Kf7 58.Ra7+ Kf8 59.c7 Bd7 60.K
e5
Rg1 61.Kd6 Bg4 62.Ra8+ 1-0
```

Game and short analyze on Lichess.org : <https://lichess.org/r2ngVnd5>

## See also

- [Arthropod](#)

- [Astronomy](#)
- [Gaia](#)
- [Christiaan Huygens](#)
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- [Kasparov's Gambit](#)
- [Mini](#)
- [Mythology](#)
- [Socrates](#)
- [\\*Socrates](#)
- [Tytan](#)

## Publications

- [Larry Kaufman](#) (1993). *PC Software*. [Computer Chess Reports](#) 1992-93, Vol. 3, No. 2, pp. 8-9
- [Larry Kaufman](#) (1993). *PC Software*. [Computer Chess Reports](#) 1993, Vol. 4, No. 1, pp. 8-9

## External Links

### Chess Program

- [Socrates II - Wikipedia](#)

### Misc

- [Titan \(disambiguation\) from Wikipedia](#)
- [Titan \(moon\) from Wikipedia](#)
- [Titan \(mythology\) from Wikipedia](#)
- [Titanomachy from Wikipedia](#)
- [Titans in popular culture - Wikipedia](#)
- [Titan beetle from Wikipedia](#)
- [Titan \(computer\) from Wikipedia](#)
- [Titan \(supercomputer\) from Wikipedia](#)
- [Titan \(microprocessor\) from Wikipedia](#)
- [Titan the Robot from Wikipedia](#)
- [Titanium from Wikipedia](#)
- [Dan Gailey](#) with [NMSU Jazz Band](#) - Attack of the Tenor Titans, [New Mexico State University Atkinson Recital Hall](#), April 17, 2009, [YouTube](#) Video

## References

1. <sup>^</sup> [Larry Kaufman](#) (1993). *PC Software*. [Computer Chess Reports](#) 1993, Vol. 4, No. 1, pp. 8-9
2. <sup>^</sup> [Larry Kaufman](#) (1993). *PC Software*. [Computer Chess Reports](#) 1993, Vol. 4, No. 1, pp. 9
3. <sup>^</sup> [Cassini](#) delivers this stunning vista showing small, battered [Epimetheus](#) and smog-enshrouded

Titan, with [Saturn's A and F rings](#) stretching across the scene, April 28, 2006. Source: [NASA/JPL/Space Science Institute PIA08391: Titan Beyond the Rings](#), [Titan \(moon\) from Wikipedia](#)  
4. [^ PGN Download NACCC](#), [CSVN](#) site

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<a href="#">Don Dailey</a>	Dec 7, 2016
<a href="#">Engines</a>	Mar 10, 2018
<a href="#">Gaia</a>	Nov 3, 2015
<a href="#">Kasparov's Gambit</a>	Dec 7, 2016
<a href="#">Larry Kaufman</a>	Jan 28, 2018
<a href="#">Mathematician</a>	Apr 9, 2018
<a href="#">Mini</a>	Jan 7, 2016
<a href="#">Socrates</a>	Jul 3, 2018
<a href="#">Star Socrates</a>	Oct 12, 2016
<a href="#">StarTech</a>	Oct 20, 2016
<a href="#">Titan</a>	Jul 3, 2018
<a href="#">Tytan</a>	Nov 3, 2015

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