

[Home](#) \* [Engines](#) \* **Elektronika IM**



Elektronika IM-01 <sup>[5]</sup>

**Elektronika IM**, (Электроника ИМ)

a series of [Soviet dedicated chess computers](#) developed and produced by [Saint Petersburg](#) (Leningrad) *Svetlana Factory* <sup>[1]</sup> <sup>[2]</sup>. The [ICCA Journal](#) report on the [First Soviet Computer-Chess Championship 1988](#) by [Mikhail Donskoy](#) and [Jonathan Schaeffer](#) <sup>[3]</sup> mentions *Electronics-01* by [V. Petrenko](#), Leningrad, special hardware, DEC [Assembly](#), 8KiB [ROM](#), 1KiB [RAM](#), a 200 moves [opening book](#), and [alpha-beta search](#) with 25 [positions per second](#). The program ran on [PDP-11 extended instruction set](#) compatible 16-bit Soviet [K1801VM1](#) processor.

According to [Mike Watters](#), the Elektronika IM-01 was manufactured in the [Soviet Union](#) already in 1986. [Elektronika](#), the brand name, is mainly associated with [calculators](#), computers, [watches](#) and [video games](#). IM stands for microprocessor game <sup>[4]</sup>. The chess computer was a sophisticated machine with a wide range of options.

## Table of Contents

[Tournament Play](#)

[Forum Posts](#)

[External Links](#)

[References](#)

[What links here?](#)

## Tournament Play

Due to travel problems, Elektronika IM-01 was unable to reach [Ulan-Ude](#) in time to play the [First Soviet Computer-Chess Championship 1988](#). Arriving after the last round, exhibition games were arranged against the three top finisher [Centaur](#), [Strategist-1](#) and [Algir](#). Petrenko's program scored 2½/3 drawing from Centaur, while only using a 1-ply search <sup>[6]</sup>. At the [First International Chess-Computer Tournament in the USSR 1989](#) in [Moscow](#), Elektronika IM became fifth with 2½/7 in a strong field dominated by [Mephisto](#) <sup>[7]</sup>.

## Forum Posts

- [Soviet chess computers](#) by IvenGO, [Hiarcs Forum](#), November 22, 2011
- [Elektronika IM-01](#) by Volodymyr, [Hiarcs Forum](#), November 20, 2017

## External Links

- [Elektronika IM - 01](#) from [Chess Computer UK](#) by [Mike Watters](#)
- [Soviet Digital Electronics Museum - Elektronika IM-01](#) by [Sergei Frolov](#)
- [Soviet Digital Electronics Museum - Elektronika IM-01T](#) by [Sergei Frolov](#)
- [Soviet Digital Electronics Museum - Elektronika IM-05](#) by [Sergei Frolov](#)
- [Soviet Digital Electronics Museum - The chess partner Elektronika IM-29](#) by [Sergei Frolov](#)
- [Elektronika IM-01](#), [Schachcomputer.info Wiki](#) (German)

## References

1. ^ Confirmed by [Sergei Frolov](#)
2. ^ [Saint Petersburg Encyclopaedia - Svetlana Factory](#)
3. ^ [Mikhail Donskoy](#), [Jonathan Schaeffer](#) (1988). *Report on the 1st Soviet Computer-Chess Championship or re-awakening a sleeping giant*. [ICCA Journal](#), Vol. 11, Nos. 2/3
4. ^ [Elektronika IM - 01](#) from [Chess Computer UK](#) by [Mike Watters](#)
5. ^ [Elektronika IM - 01](#) from [Chess Computer UK](#) by [Mike Watters](#)
6. ^ [Mikhail Donskoy](#), [Jonathan Schaeffer](#) (1988). *Report on the 1st Soviet Computer-Chess Championship or re-awakening a sleeping giant*. [ICCA Journal](#), Vol. 11, Nos. 2/3
7. ^ [Alexander Timofeev](#) (1989). *Report on the 1st International Chess-Computer Tournament in the USSR*. [ICCA Journal](#), Vol. 12, No. 2

## What links here?

Page	Date Edited
<a href="#">Elektronika IM</a>	Nov 30, 2017
<a href="#">Engines</a>	Mar 10, 2018
<a href="#">First International Chess-Computer Tournament in the USSR 1989</a>	Apr 22, 2018
<a href="#">First Soviet Computer-Chess Championship 1988</a>	Dec 7, 2016

[Up one level](#)