The SSDF chess engine rating list, 2022-05

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This is the second list of 2022 and in this list we can present six new entries.

The first one out is our new leader in the rating list, Leela Chess Zero 0.28.2. After the first 280 games played, it has received an impressive rating of 3591, which is currently 19 points stronger than the older Lc0-version. It leads the rating list with 15 points ahead of Stockfish 13. As with the formerly tested version, we have used an Nvidia RTX 3060 Ti graphic card for the testing. We have used the 30 blocks + 384 filter network, named: 611213 (date 2022-01-06), and as opening book we have used the free opening book "Perfect2021.abk" by Sedat Canbaz.

Our second newcomer is Wasp 5.5 from John Stanback. After the first 194 games, it has received a rating of 3395. This is at the moment 17 points ahead of the formerly tested 5.0 version and at the same time 106 points ahead of the Wasp 4.5 version. Wasp uses its own included opening book.

We are also glad to be able to introduce a new Chiron 5.01 version on our rating list. We introduced Chiron 3.01 by Ubaldo Andrea Farina back in the August list of 2016. Since that was before the AMD 1800X was introduced as hardware on our rating list, Chiron 3.01 was only tested on our Intel Q6600 hardware at the time. We have now tested Chiron 5.01 on both our hardware levels. On our 1800X hardware, Chiron 5.01 has reached a rating of 3356 after 320 games played. And on our Q6600 hardware, Chiron 5.01 has reached a rating of 3330 after 280 games played. This is at the moment 154 points over the former 3.01 version, so a very nice improvement! As opening book we have used the "Perfect2021.abk" opening book by Sedat Canbaz.

Our fourth new program on this list are the latest Marvin 5.2.0 version of Martin Danielsson. After 320 played games it has reached a rating of 3330, and this is currently 9 points ahead of the formerly tested 5.1.0 version. As with the 5.1.0 version, it is using its own opening book in the testing.

And last, but not least, we are also able to introduce a golden oldie from 1989! It is Richard Lang's Mephisto Roma II 68000-module, which was released in 1989, two years after the initial Mephisto Roma was introduced on the market. The special thing with this version was that it was the only 16 bit Motorola 68000 based engine which could be used in the Mephisto Mobil-board, a small handheld version of their modular series of chess boards. Perhaps because of this, they had to lower the clock frequency on the 68000 processor. It has a frequency of 10 MHz instead of the 12 MHz which was used on the 1987-version of the Roma program. As nothing else was changed between the two programs, the Roma II should in theory be somewhat lower rated than the older Roma program with its higher clock frequency. But, after the first 100 games, the Roma II has yet managed to position itself 27 points higher than the 1987 version and gained a rating of 1903!As the old Roma 68000 12 MHz have a staggering amount of 1519 manually played games under its belt, one can safely assume that the rating of Roma II will become lower as more games are played, and the error bars on the Roma II are also still high compared to the more trustworthy rating of its older sibling.

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1 Lc0 0.28.2 Cuda-611213 3060Ti, 3591

Stoc13 1800X 20,5-19,5 Dra251 1800X 21-19 Ko14 1800X 27,5-12,5
Wasp55 1800X 30-10 Wasp5 1800X 31-9 Chi5 1800X 31,5-8,5
Mar52 1800X 37,5-2,5

21 Wasp 5.5 x64 1800X 3.6 GHz, 3395

Lc028 3060Ti 10-30 Dra251 1800X 10-30 Boo65 1800X 17-23
Booot6 1800X 20-14 Mar52 1800X 23-17

27 Chiron 5.01 x64 1800X 3.6 GHz, 3356

Lc028 3060Ti 8,5-31,5 Stoc14 1800X 7-33 Arasa23 1800X 15-25
Boo65 1800X 15-25 Dra MC 1800X 20-20 Wasp5 1800X 18,5-21,5
Mar52 1800X 20,5-19,5 Wasp45 1800X 22-18

29 Chiron 5.01 x64 Q6600 2.4 GHz, 3330

Ped31 Q6600 23,5-16,5 Boo65 Q6600 18-22 DShre13 Q6600 17,5-22,5
Mar51 Q6600 25,5-14,5 DRybka4 Q6600 29-11 Chiro3 Q6600 28,5-11,5
Spike14 Q6600 31,5-8,5

30 Marvin 5.2.0 x64 1800X 3.6 GHz, 3330

Lc028 3060Ti 2,5-37,5 Stoc13 1800X 5-35 Stoc14 1800X 8,5-31,5
Boo65 1800X 17,5-22,5 Wasp55 1800X 17-23 Ped3 1800X 15,5-24,5
Chi5 1800X 19,5-20,5 Wasp45 1800X 22,5-17,5

50 Mephisto Roma II 68000 10 MHz, 1903

London 68020 4,5-15,5 Sapphire II 7-13 Meph. Milano 11,5-8,5
Kasp. GK-2000 13-7 Rebell 5 MHz 14-6

Table 1
The recently tested 'Selected 50' from SSDF rating list '2022-05', 160235 games played by 424 computers

THE SSDF RATING LIST 2021-05-20 160235 games played by 424 computers						
		Rating	+	−	Games	Won	Oppo
1	Lc0 0.28.2 Cuda-611213 3060Ti	3591	48	−43	280	71%	3438
2	Stockfish 13 x64 1800X 3.6 GHz	3577	37	−34	440	70%	3426
3	Lc0 0.26.3 Cuda(67362) 3060Ti	3572	29	−27	680	68%	3442
4	Dragon Komodo 2.51 x64 1800X 3.6 GHz	3566	42	−39	320	65%	3456

Table 1

(Continued)

	THE SSDF RATING LIST 2021-05-20 160235 games played by 424 computers	Rating	+	–	Games	Won	Oppo
5	Stockfish 14 x64 1800X 3.6 GHz	3555	39	−37	360	66%	3444
6	Stockfish 12 NNUE x64 1800X 3.6 GHz	3555	30	−29	560	62%	3465
7	Dragon by Komodo x64 1800X 3.6 GHz	3544	34	−32	460	63%	3449
8	Stockfish 11 x64 1800X 3.6 GHz	3537	36	−34	450	70%	3393
9	Stockfish 10 x64 1800X 3.6 GHz	3514	25	−24	880	68%	3378
10	Dragon Komodo 2 MCTS x64 1800X 3.6 GHz	3479	45	−44	240	55%	3444
11	Stockfish 9 x64 1800X 3.6 GHz	3476	26	−24	882	70%	3330
12	Komodo 13.1 x64 1800X 3.6 GHz	3463	30	−29	560	62%	3379
13	Komodo 14 x64 1800X 3.6 GHz	3461	31	−31	480	53%	3442
14	Komodo 13.02 x64 1800X 3.6 GHz	3457	30	−29	600	65%	3346
15	Komodo 12.3 x64 1800X 3.6 GHz	3447	27	−26	760	66%	3329
16	Arasan 23.01 x64 1800X 3.6 GHz	3443	39	−38	320	52%	3429
17	Stockfish 9 x64 Q6600 2.4 GHz	3439	32	−31	480	56%	3394
18	Booot 6.5 x64 1800X 3.6 GHz	3426	38	−38	320	49%	3435
19	Pedone 3.1 x64 1800X 3.6 GHz	3423	46	−47	220	48%	3433
20	Dragon Komodo MCTS x64 1800X 3.6 GHz	3404	38	−38	320	52%	3391
21	Wasp 5.5 x64 1800X 3.6 GHz	3395	49	−51	194	41%	3456
22	Wasp 5 x64 1800X 3.6 GHz	3378	41	−44	280	38%	3470
23	Booot 6.4 x64 1800X 3.6 GHz	3366	36	−36	360	51%	3359
24	Arasan 22.3 x64 1800X 3.6 GHz	3359	41	−44	280	36%	3454
25	Pedone 3.1 x64 Q6600 2.4 GHZ	3359	41	−39	300	60%	3290
26	Booot 6.5 x64 Q6600 2.4 GHz	3359	44	−41	280	62%	3272
27	Chiron 5.01 x64 1800X 3.6 GHz	3356	38	−40	320	40%	3427
28	Deep Shredder 13 x64 1800X 3.6 GHz	3353	24	−24	880	64%	3252
29	Chiron 5.01 x64 Q6600 2.4 GHz	3330	43	−41	280	62%	3244
30	Marvin 5.2.0 x64 1800X 3.6 GHz	3330	39	−42	320	34%	3447
31	Marvin 5.1.0 x64 1800X 3.6 GHz	3321	44	−47	240	37%	3412
32	Wasp 4.5 x64 1800X 3.6 GHz	3289	48	−54	220	29%	3447
33	Vajolet2 2.8 x64 1800X 3.6 GHz	3288	27	−28	650	38%	3372
34	Marvin 5.1.0 x64 Q6600 2.4 GHz	3218	46	−48	220	43%	3270
35	Deep Hiarcs 14 1800X 3.6 GHz	3211	23	−24	880	38%	3295
36	Deep Rybka 4 x64 Q6600 2.4 GHz	3194	18	−18	1528	62%	3107
37	Revelation 2 Hiarcs 14.1 PXA320 800 MHz	2925	47	−45	228	56%	2882
38	Chessmaster King 3.5 x64 Q6600 2.4 GHz	2858	24	−25	932	30%	3006
39	Revelation Hiarcs 13.3 PXA255 500 MHz	2772	57	−52	177	66%	2660
40	Revelation Shredder 12 PXA255 500 MHz	2706	60	−58	140	56%	2666
41	Revelation Rybka 2.2 PXA255 500 MHz	2635	45	−43	260	63%	2546
42	Revelation Deep Sjeng 3 PXA255 500 MHz	2600	62	−67	120	41%	2665
43	Millennium The King Exclusive 300 MHz	2535	52	−51	180	56%	2496
44	Revelation Ruffian 2.1 PXA255 500 MHz	2346	68	−71	100	45%	2384
45	Millennium ChessGenius Excl. M7 300 MHz	2243	52	−49	190	58%	2189
46	Mephisto London 68030 33 MHz	2194	31	−31	482	50%	2192
47	Millennium ChessGenius Pro M4 120 MHz	2162	59	−54	160	63%	2066
48	Mephisto London 68020 12 MHz	2092	61	−54	166	68%	1961
49	Millennium ChessGenius ARM M4 48 MHz	2069	45	−43	251	58%	2015
50	Mephisto Roma II 68000 10 MHz	1903	69	−69	100	50%	1903