

**PARTICIPANTS OF THE 22<sup>nd</sup> ACM INTERNATIONAL  
COMPUTER CHESS CHAMPIONSHIP**

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## 2. THE PROGRAMS

Program	Computing System Information	Nodes/sec.	Rating estimate
BEBE	SYS-10 Chess Engine, assembler special-purpose chess circuitry, 64Kb 16 bits, 10 Mips, 3 Meg hash table	40000	2150
BP	486/33 Clone, C and assembler, 20 Mips, 4 Meg, 32 bits, 1 Meg hash table (Highly selective search)	1600	2250
CHESS MACHINE/ SCHRÖDER	ARM-2 Risc Processor (Archimedes) 31 MHz	NA	NA
CRAY BLITZ	Cray YMP-8, Fortran and C and assembler 1330 Mips, 64 Mw, 64 bits, 8 processors 60 Megaword hash table (Cray Research Comp Center, Eagen MN)	200K-500K	2200+
DEEP THOUGHT II	RS/6000 550 (host) and 24 custom chess processors C and microassembler, 44 Mips (host), 192 Mbytes (host) 32 bits (host), 2 million entry hash table (IBM T.J. Watson Research Center, Hawthorne, NY)	5M	2550+
DELICATE BRUTE	SUN 4 (or equivalent)	6K	2200
HITECH	SUN 4 with special chess hardware microcode and assembler, 1 M hash table (Carnegie-Mellon University)	100K	2400
LACHEX	CRAY YMPZE, FORTRAN and assembler 4 million position hash table	50K	2328
M_CHESS	IBM PC or clone, 80486, C and assembler 5 Mips, 640 Kbytes, 32 bits, 16K position hash table	5K	2450
MEPHISTO	68030 Mephisto machine, assembler 128K ROM, 32 bits, 45 MHz, 1M hash table	10K	2350
SOCRATES	IBM PC or clone, 486 33 MHz or 50 MHz	NA	NA
ZARKOV	HP 9000/732, C 67 Mips, 32 Meg, 32 bits, 64K position hash table (HP, Fort Collins, Colorado)	10K	2400