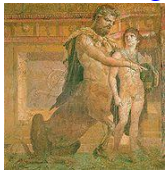


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[Chiron](#) and [Achilles](#) ^[1]

Cheiron,
a computer chess program written
by [Ulf Lorenz](#). It played the [8th
World Computer Chess
Championship 1995](#) in Shatin,
Hong Kong and the [13th World
Microcomputer Chess
Championship 1995](#) in Paderborn,
and the [IPCCC 1994](#) and [IPCCC
1997](#).

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Description

from the [ICGA](#)-site ^[2]:

In [Greek mythology](#), [Cheiron](#) was the wisest of all [centaurs](#) and the teacher of many heroes. The program Cheiron is written in [C](#). It is an [alpha-beta](#) program using most of the known state-of-the-art heuristics including [killer heuristics](#), [transposition table](#), [aspiration search](#), plausible [move ordering](#), [iterative deepening](#), selective deepening etc. [Null moves](#), however, are not used. The [quiescence search](#) is quite large and examines some tactical motifs, particularly mating and promotion threats.

Apart from the [move generator](#), the [evaluation function](#) is the most

expensive part of the program. It examines the [pawn structure](#), [king's security](#), static positions of the pieces, everlasting knights etc. as well as special situations in the endgame (e.g. there are positions when two pawns are more worth than a rook).

On a [Pentium](#) 90MHz the program will search about 10.000 [nodes per second](#). Cheiron is more a positional playing than a tactical playing program. Cheiron uses an [opening book](#) containing about 12,000 positions to get a good start into the game. Using the [Bednorz-Toennissen test](#), Cheiron has an estimated rating of 2100 ELO on a 50MHz [PC](#). Tournament results against humans supports this number. Originally, the program was developed for [Unix](#) boxes, but a version has been developed with a [graphical interface](#) using [Turbo C](#) in a [DOS-Windows 3.1](#) environment.

See also

- [Achilles](#)
- [Centaur](#)
- [Chiron](#)
- [Mythology](#)

External Links

Chess Program

- [Cheiron's ICGA Tournaments](#)

Misc

- [Chiron \(Mythology\) from Wikipedia](#)

References

1. [^ Chiron from Wikipedia](#)
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