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Pedone bianco ^[2]

Pedone,

a [UCI](#) compliant chess engine by [Fabio Gobbato](#) written in [C](#). The download from its site includes [Windows](#) 32-bit and 64-bit, and [Linux](#) 32-bit and 64-bit executables ^[1]. During its early development stages, Pedone had its over the board tournament debut at the [IGT 2013](#) with 1½/4. It progressed rapidly, and already won the [IGT 2014](#) with 6/7, and the [IGT 2015](#) with 7/6!

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Description

Pedone has a compact [quad-bitboard](#) board representation ^[3], suited for a [copy-make](#) approach, and further applies [magic bitboards](#) for [sliding piece attacks](#) and [move generation](#). Its search is [PVS](#) with

[transposition table](#), [IID](#) and [quiescence search](#) inside an [iterative deepening](#) framework. The [evaluation](#) function was [tuned](#) with a similar approach to the [Texel's Tuning Method](#) ^[4] until version 1.0. Some evaluation bonuses of versions 1.3 and 1.4 were tuned with [TD Learning](#). Since **1.0**, released in December 2014, Pedone performs a [parallel search](#) using multiple [threads](#) ^[5], with **1.4** in April 2016, dubbed [Lazy SMP](#) ^[6]. The further improved Pedone **1.6** released in June 2017 can use up to 128 threads and comes with an executable for [Android](#) ^[7].

See also

- [Chess Pieces](#)
- [Pion](#)

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2014

- [Pedone 1.0](#) by [Fabio Gobbato](#), [CCC](#), December 14, 2014

2015 ...

- [New release Pedone 1.1](#) by [Fabio Gobbato](#), [CCC](#), March 24, 2015
- [Pedone 1.2](#) by [Fabio Gobbato](#), [CCC](#), July 31, 2015
- [Pedone 1.3](#) by [Fabio Gobbato](#), [CCC](#), October 18, 2015
- [Pedone 1.4](#) by [Fabio Gobbato](#), [CCC](#), April 03, 2016
- [Pedone 1.5](#) by [Fabio Gobbato](#), [CCC](#), October 23, 2016
- [New release Pedone 1.6](#) by [Fabio Gobbato](#), [CCC](#), June 10, 2017
- [New release Pedone 1.7](#) by [Fabio Gobbato](#), [CCC](#), January 16, 2018

External Links

Chess Engine

- [Pedone Chess Engine](#)
- [Pedone « G 6](#)
- [Pedone](#) in [CCRL 40/40](#)

Misc

- [pedone](#) - Wiktionary
- [Pedone \(scacchi\)](#) - [Wikipedia.it](#) (Italian)
- [Pawn \(chess\)](#) - [Wikipedia](#)

- [Pedone \(codice della strada\) - Wikipedia.it](#) (Italian)
[Pedestrian - Wikipedia](#)

References

1. [^](#) [Pedone « G 6](#)
2. [^](#) Chess piece - White pawn, [Staunton design](#), by [Michael Maggs](#), [Pedone \(scacchi\) - Wikipedia.it](#)
3. [^](#) [Pedone Chess Engine - QuadBitboard](#)
4. [^](#) [Pedone Chess Engine - Evaluation Tuning](#)
5. [^](#) [Pedone 1.0](#) by [Fabio Gobbato](#), [CCC](#), December 14, 2014
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