Alt-Ergo combines logical reasoning with specialised quantifiers and decision-making procedures for certain theories such as arithmetics and equations. This prover was specially developed for program verification and can be used on Frama-C, Why and CAVEAT platforms.

Alt-Ergo can be used to prove first-order logical formulae without human assistance.

Alt-Ergo is based on:
- an SAT-solver
- a combination algorithm for decision-making procedures
- a mechanism for instantiation of quantifiers

Possible fields of application:
transport, energies, healthcare, finance

Language, standard, environment: Ocaml

Licence: CECILL C

Keywords: SMT Prover

Partners:

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