

The parallel implementation of the Astrée static analyzer

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Introduction

The Astrée static analyzer

Astrée <http://www.di.ens.fr> is a static analyzer based on abstract interpretation.

- Analyzes a subset of the C language.
- Machine integers and floating-point numbers, not “mathematical” integers and real numbers.
- Tuned for large-scale control/command codes, automatically generated from high-level specifications.
- Precise domains for **numerical computations**.