Tom is a pattern-matching oriented programming language, based on the use of rules and strategies, that is particularly suited to manipulating tree structures.

Technological barrier:
Tom adds higher-order functions to Java, enabling, in particular, pattern-matching programming.

Field of application: compilation, transforming models, software safety and security.

Languages, environments:
Developed essentially in Tom and Java (completely bootstrapped). Independent from the platform used.

Keywords: pattern matching, strategies, rule-based programming, graph rewriting, compilers, critical embedded software.

Licence: GNU GPL (kernel), BSD (libraries)

Academic partners: