Article Talk

Read Edit View histo M

Search

Chaff algorithm

From Wikipedia, the free encyclopedia

Chaff is an algorithm for solving instances of the Boolean satisfiability problem in programming. It was designed by researchers at Princeton University, USA. The algorithm is an instance of the DPLL algorithm with a number of enhancements for efficient implementation.

Implementations [edit]

Some available implementations of the algorithm in software are mChaff and **zChaff**, the latter one being the most widely known and used. zChaff was originally written by Dr. Lintao Zhang, now at Microsoft Research, hence the "z". It is now maintained by researchers at Princeton University and available for download as both source code and binaries on Linux. zChaff is free for non-commercial use.

References [edit]

- M. Moskewicz, C. Madigan, Y. Zhao, L. Zhang, S. Malik. *Chaff: Engineering an Efficient SAT Solver* 🔺, 39th Design Automation Conference (DAC 2001), Las Vegas, ACM 2001.

External links [edit]

- Web page about zChaff 🔗

This *formal methods*-related article is a *stub*. You can help Wikipedia by *expanding it*.

Categories: SAT solvers | Boolean algebra | Automated theorem proving | Constraint programming | Formal methods stubs