

Useful links

Existing tools

[IBM MSDK](#) - hybrid dynamic data race detector

[Thread Sanitizer for Java](#) - hybrid post-mortem detector, that uses [original Thread Sanitizer](#) to analyze log file. See introduction [here](#).

[JChord](#) - static race detector for Java.

Theory

JVM method descriptors : <http://docs.oracle.com/javase/specs/jvms/se7/html/jvms-4.html#jvms-4.3.3>

JLS chapter about threads: <http://docs.oracle.com/javase/specs/jls/se7/html/jls-17.html>

happens-before relation: <http://docs.oracle.com/javase/specs/jls/se7/html/jls-17.html#jls-17.4.5>

java.util.concurrent.atomic documentation: <http://docs.oracle.com/javase/6/docs/api/java/util/concurrent/atomic/package-summary.html>

java.util.concurrent documentation: <http://docs.oracle.com/javase/6/docs/api/java/util/concurrent/package-summary.html>

Alternative "lockset" algorithm was originally introduced in this paper: <http://www.cs.duke.edu/courses/cps210/spring06/papers/eraser.pdf>

Other

[ObjectWeb ASM](#) - Java bytecode manipulation framework, used in DRD.