

muJava Update

Released as open source

Github: [jeffoffutt](#), [mujava](#)

Research Tools Are Labs

Good operators are essential

Research tools must be flexible

Simple GUI

Choose operators

Weak & strong mutation

Run all tests on all mutants

Command language option

Mark equivalent mutants

Must support
automated tests
(eg, Junit)

Easy integration with other tools

Test data generators
Auto equivalent detectors
Analysis tools

Tools For Industrial Use

Good operators are essential

Must be integrated with IDE

Must be fast

Testers don't care about killing mutants
They want good tests

Users must NOT need to
understand mutation

No equivalent mutants
Automatic test data generation

Visualization
Personal
medicine
model

A Word of Caution

We found evidence that a **major hacker** is attending ICST!!

