jStanley: Placing a Green Thumb on Java Collections

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Eclipse plugin based on JCF energy profiles

Static code analysis to determine most energy efficient alternative

Preliminary Study using Java Desktop Projects

Goals:
- Eclipse plugin for Java programs
- Based on previous research of JCF energy profiles
- Multi Level and Multi Object Static Analysis
- Improves performance/energy efficiency
- Automatic code refactoring

Green Software Lab
Green Software Lab is a research group working on reducing energy consumption across various computing systems (mobile, programs, databases, etc.) using source code analysis and manipulation techniques.

More info at http://greenlab.di.uminho.pt

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