

PAJÉ – Program Analysis for Java Exploration

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- PAJÉ is an acronym that stands for Program Analysis for Java Exploration.
- Its aim is to be a suite of tools to support analysis of Java programs based on the Eclipse platform.
- It is the umbrella project of the Software Analysis & Experimenta Group

NCLEO DE APOIO À PESQUISA EM SOTIVARE LIVRE

- Currently we are working on the following topics regarding program analysis.
 - Structural testing of Java programs.
 - Use of coverage information for debugging.
 - Instrumentation for testing and debugging of Java programs.
 - Clone detection.
 - Debugging human-computer interaction

- The following tools were developed in the context of the PAJÉ project supported by the NAPSOL.
 - Baduíno: efficient data-flow testing.
 - Jaguar: Java coveraGe faUlt localizAtion Ranking.
 - Codeforest: Coverage-based DebuggingVisualization.



 A short present and Codefore

 Sorry for any in this presentation of the **Baduíno**

nience during



Conclusions

- Jaguar, Baduíno and Codeforest are the Eclipse plugins available from PAJÉ project.
- Nevertheless, they were built on top of other tools developed by the SAEG:
 - InSS Instrumentation Strategies Simulator;
 - ICD Integration Coverage Debugging;
 - ASM-Def-Use Data-flow analysis of bytecodes using ASM;
 - BA-DUA Bitwise Algorithm-powered Definition

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