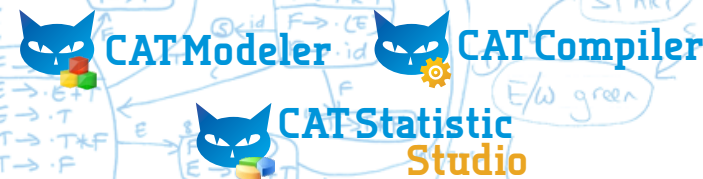


Compiler Automation Tool abbreviated as CAT, is a java based application, a tool for automating the task of compilation. With CAT, one can model any programming language using user-friendly graphical interface, by specifying regular expressions, transition diagram, context free grammar and various compiler specifications to generate a compiler model. This model is then used to compile various source code, displaying intermediate processing results during each phase such as stream of tokens generated by lexical phase, parsing decisions etc. in order to obtain an insight view of compilation process.

Such a tool provides the designer a bright light over the language being designed and helps to make strategic decisions on how the compilation process must take place. CAT is a compiler field specific tool with the aim of promoting compiler learning and research.

A blend of three different applications that makes compiler modeling possible :



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Compiler Automation Tool
 Pile of sheets now just a click away

Compatible with Windows

Java

User Friendly Graphical Interface

Graphical representation of automata

Model wider set of programming languages

Cross platform - model once compile anywhere

No coding required - just think, model, generate

Record compiler performance and obtain statistics



Programming Environment



NetBeans IDE 7.2.1
 Java SE Development Kit 6

Special thanks to java libraries



iText
 (1.3)



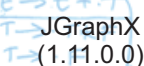
JavaMail API
 (1.4.7)



Jcommon
 (1.0.17)



JFreeChart
 (1.0.14)



JGraphX
 (1.11.0.0)



Sigar
 (1.6.4)