Java Modelling Tools: an Open Source Suite for Queueing Network Modelling and Workload Analysis

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Introduction

- Java/XML open-source suite, released under GNU GPL license on Sourceforge

Objectives:
- Support for PE scientists and practitioners
- Didactic tool
- Graphical user interfaces
The JMT Suite

Java PE suite composed by six applications:

- JSIM
- JMVA
- JMODEL
- JABA
- JMCH
- JWAT
JSIM Engine + JMODEL GUI

- Discrete-event simulator for queueing networks
- Several distributions (Exp, Erlang, Pareto, ...)
- Support for:
  - Load-dependent behaviors
  - State-dependent routing
  - Blocking and finite capacity regions
  - Fork-join servers
  - Priority classes
jSIM/ jMODEL
JMVA

- Solve open/ closed/ mixed BCMP queueing nets
- Native support for what-if analyses
- Integrated with JSIM/ JMODEL (reuse models)
jABA/ jMCH/ jWAT
Sourceforge project

http://jmt.sourceforge.net

Thanks!