ASG43 TSP use and plans

ASTRIUM satellites simulator department



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TSP workshop

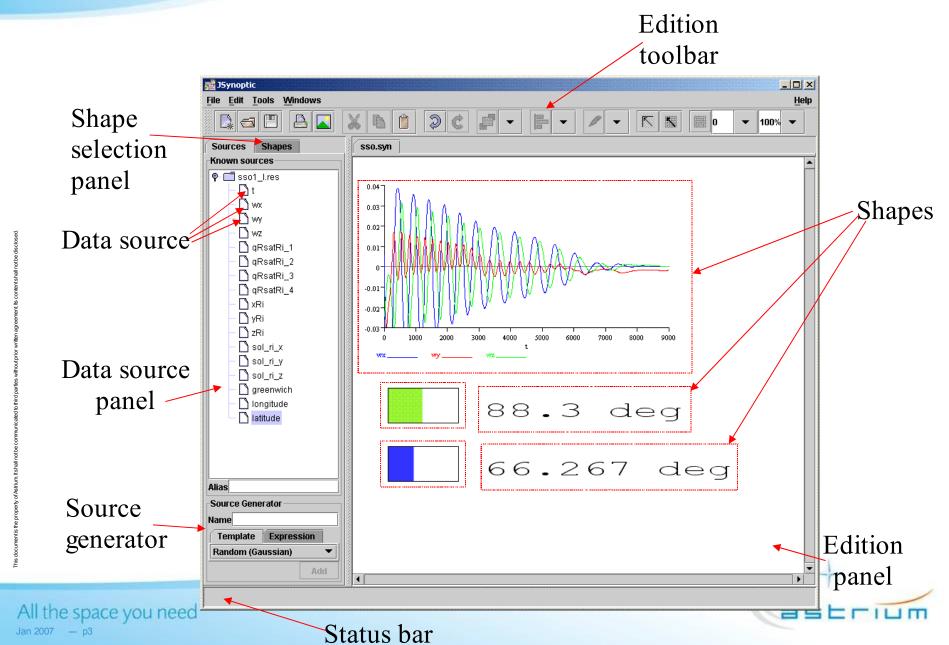


Current use: JSynoptic

- JSynoptic is a tool to render information graphically
- A plugin has been developed to feed Jsynoptic with data provided by a generic TSP consumer
- Current plugin is compatible with TSP 0.7
- JSynoptic is an open source development (LGPL)
 - See http://jsynoptic.sourceforge.net



JSynoptic visual guide

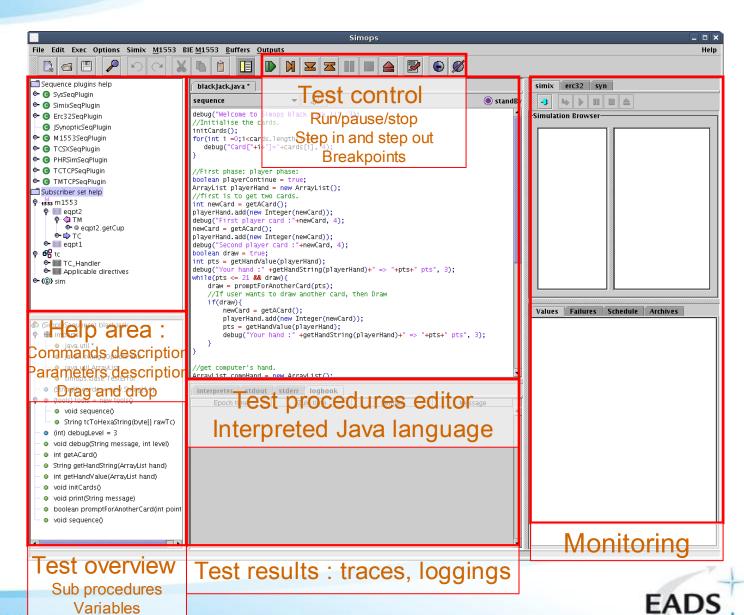


Current use: SIMOPS

- SIMOPS is a light weight test conducting system
 - Test language is java
 - Test procedures / java source code is interpreted
- Current applications
 - Galileo Avionic Test Bench (connected to the SIF TSP provider)
 - GAIA Software Test Bench (SIF TSP provider)



SIMOPS overview



All the space you need

Future use: SIMTG

- SIMTG kernel is the working title for the simulation kernel co developed between ASG41 Friedrichshafen and ASG43 Toulouse
 - Harmonised ASTRIUM satellites simulation infrastructure
 - Based on SIMIX building blocks for the scheduler
 - Enhanced with ObjectSim building blocks for models structure, solver and initialization
 - Will provide SMP2 / ECSS E40 07 compatibility
 - TSP has been selected to generate standard simulation monitoring in addition to PUS packets
 - First TSP version expected for the end of the year

