

DEVS-Suite

CoSMoS

General-Purpose

- Parallel DEVS
- Design of Experiments
- Visualization

controller
façade
GenCol
graphics
model
SimpArcMod
util
view

logs

hierarchical static structure

animation

trend charts

Domain-Specific

SOA-compliant DEVS *dynamic structure SOAD*

SOAD → DSOAD

HSC

DEVS/DOC

UML

MIPS 32 Processor

Supply-Chain Manufacturing

Swarm-Net

Agent-Based Modeling

Simple Architecture + Misc

dsoadExample
GenService
ServiceMod

HSC
HSCExample
HSCModel

HW/SW co-design

distributed computing co-design

doc

unified modeling language

DEVSUML

mips

SupplyNetwork

swarmNet

ABM

SimpArcMod

Application-Specific

- Software Design Patterns
- Computer Network Protocols
- Farming Agents, Vehicle Traffic, Voice Communication, Basketball and Poker Games, P2P, Newtonian Physics, Software Engr. Process, Neurons, Etc.

Knowledge Interchange Broker Models

- KIB_{DEVS/MPC}
- KIB_{DEVS/CCA}
- KIB_{DEVS/LP}

- Packages belong to the core simulation engine
- Packages that are supported with DEVS-Suite
- Packages that are supported with other implementations of DEVS