

Journal on Perceptual Control Theory
Vol 1 No 1, 1999

SCICOS - A dynamic system builder and simulator

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Last Revision Date: March 20, 1999

ISSN 1437-9325

A useful tool for PCT

Scicos (Scilab Connected Object Simulator) is a Scilab package for modeling and simulation of dynamical systems including both continuous and discrete systems. Many interesting problems in systems, control and signal processing applications can be modeled and simulated this way.

Scicos comes with a graphical editor. Models can be constructed by interconnecting blocks which represent either predefined functions defined in Scicos libraries, or user defined functions collected in toolboxes. The editor supports hierarchical structures to support the construction of *superblocks* describing a user defined sub-circuit of connected blocks.

Once the blockdiagram is defined a simulation can be started and, in general, the results are presented as 2-dim. functional plots.

More information on Scicos (and SciLab) can be found on the [SciLab Homepage](#)