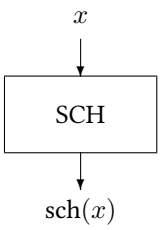
Block SCH

The SCH block returns the hyperbolic secant of its input.





Name	SCH
Function	fb0068
Inputs	1
Outputs	1
Parameters	0
Strings	0
Group	S

Inputs

1 Any signal x

Outputs

1 Hyperbolic secant

Parameters

None

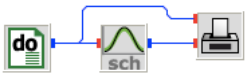
Strings

None

Description The hyperbolic secant is defined as

$$\mathrm{sc}(x) = \frac{2}{\exp(x) + \exp(-x)}$$

sch.vseit



A DO block varies its output from -3 to $+3$ in steps of 0.01. The SCH block calculates hyperbolic secant and the PLOT block displays the graph on screen.

