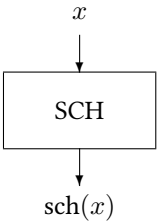


Block SCH

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

- 1Any signal x

Outputs

- 1Hyperbolic secant

Parameters

None

Strings

None

Description The hyperbolic secant is defined as

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

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.

