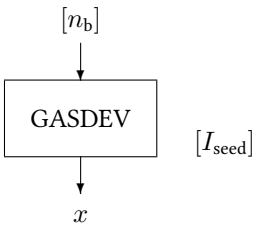
Block GASDEV

The GASDEV block returns a normally distributed deviate with zero mean and unit variance.





Name	GASDEV
Function	fb0047
Inputs	0 . . . [1]
Outputs	1
Parameters	0 . . . [1]
Strings	0
Group	S

Inputs

1 Block number n_b of a predecessor (optional)

Outputs

1 Normally distributed deviate x with zero mean and unit variance

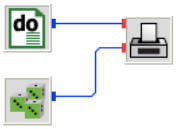
Parameters

1 Initialization I_{seed} of random number generator, 0 for a different random sequence at each run; the sign of I_{seed} is ignored

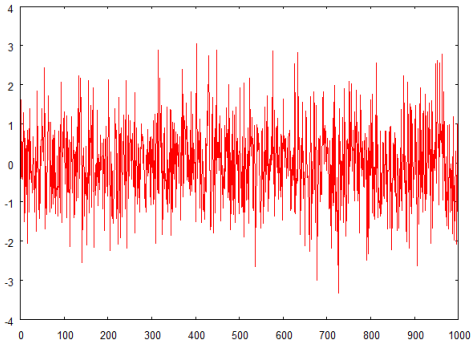
Strings

None

gasdev.vseit



In a DO block 1000 clicks are generated by the parameter setting. For each click the GASDEV block generates one normal distributed random number. The output of the DO block and the output of the GASDEV block is then plotted by the PLOT block.



See also Block RAN1.