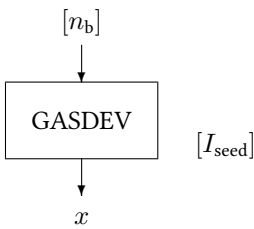


Block GASDEV

The GASDEV block returns a normally distributed deviate with zero mean and unit variance, using RAN1 as the source of uniform deviates.



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 |
|---|---|

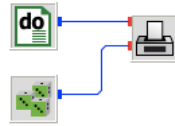
Parameters

- | | |
|---|---|
| 1 | Initialization I_{seed} of random number generator, set to 1536 by default; the sign of I_{seed} is ignored |
|---|---|

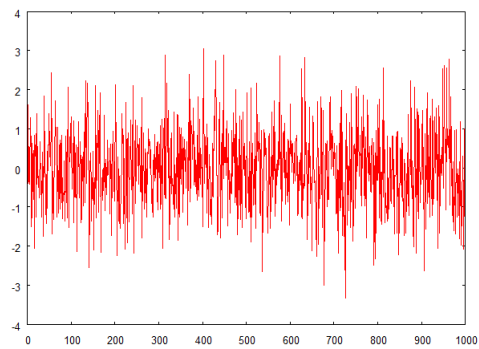
Strings

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](#).