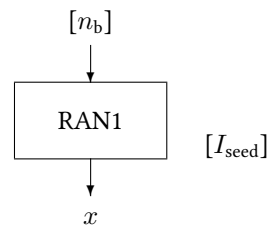


Block RAN1

The RAN1 block returns a uniform random deviate between 0.0 and 1.0.



Name	RAN1
Function	fb0032
Inputs	0 ... [1]
Outputs	1
Parameters	0 ... [1]
Strings	0
Group	S

Inputs

- | | |
|---|--|
| 1 | Block number n_b of a predecessor (optional) |
|---|--|

Outputs

- | | |
|---|--------------------------------------|
| 1 | Uniform random deviate $x \in [0,1]$ |
|---|--------------------------------------|

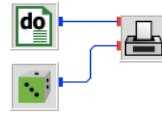
Parameters

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

Strings

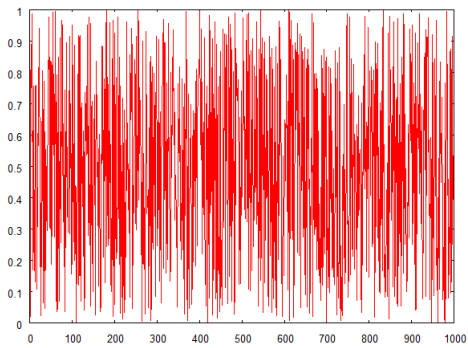
	None
--	------

ran1.vseit



In a **DO** 1000 clicks are generated by the parameter setting. For each click the **RAN1** block generates one uniformly distributed random number.

The output of the **DO** block and the output of the **RAN1** block are then plotted by the **PLOT** block.



See also Block **GASDEV**.