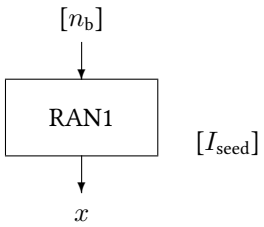
Block RAN1

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 ∈ [0,1]

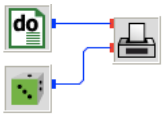
Parameters

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

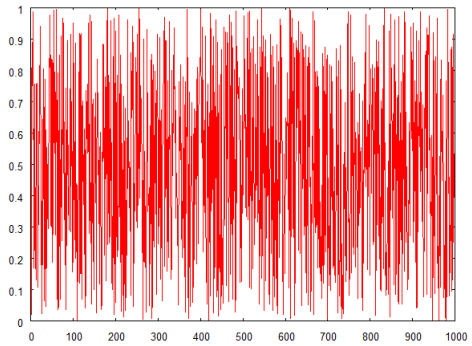
None

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.