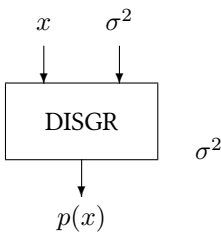


Block DISGR

The DISGR block calculates the Gordon Reddy distribution.



Name	DISGR
Function	em0023
Inputs	1 . . . [2]
Outputs	1
Parameters	1
Strings	0
Group	S

Inputs

- 1

Independent variable x
- 2

Variance $\sigma^2(x)$

Outputs

- 1

Probability density $p(x)$

Parameters

- 1

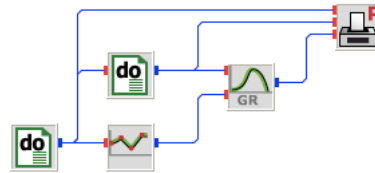
Variance $\sigma^2(x)$

Strings

None

Remarks If a second input is connected to a DISGR block, the value of the block parameter σ^2 is ignored.

disgr.vseit



Two nested **DO** blocks count from one to six (outer block), and vary the Gordon Reddy variable from zero to two in steps of 0.01 (inner block), respectively. The **POLYG** block delivers different variance values due the parameter setting

```
6
1 0.01
2 0.02
3 0.04
4 0.06
5 0.1
6 0.15
```

The **PLOTP** block shows the probability density functions for the different variances.

