

## Single

This algorithm is used for nodes where the local value is combined with the global input values using a single operator.

The output value of a node with “Single” as algorithm is computed according to the following rule:

$$\text{Output value} = \text{Op}_1(X_1, X_2, \dots, LR)$$

where  $\text{Op}_1$  is the “Operator 1” for this node,  $X_1, X_2, \dots$  represent its input values,  $L$  is the local factor of the node, and  $R$  is a random number generated from the distribution of the node. Note, however, that if the node does not include stochastic values, the  $R$ -factor is skipped.

Whenever you create a stochastic node which is not “Independent”, its algorithm is initialized to be “Single”.