

## Double

This algorithm is used for nodes where the local value is combined with the global input values with a different operator than the one used to combine the global input values.

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

$$\text{Output value} = \text{Op2}(\text{Op1}(X_1, X_2, \dots), LR)$$

where Op1 is the “Operator 1” for this node, Op2 is the “Operator 2” 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.

A node is never initialized with “Double” as its algorithm. Thus, when you need to use this feature, you always have to select this option manually.