

12.1.17 Editors - Geometry Nodes Editor - Header - Add Menu - Curve - Sample

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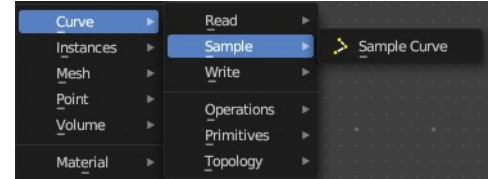
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Add - Curve - Sample

Here you find curve related nodes.

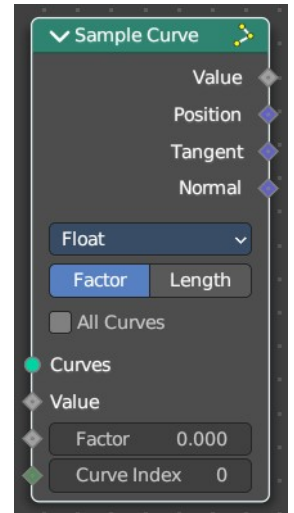


Sample Curve

Calculates a point on a curve at a certain distance from the start of the curve, specified by the length or factor inputs. It also outputs data retrieved from that position on the curve.

The sampled values are linearly interpolated from the values at the evaluated curve points at each side of the sampled point.

In case that the curve contains multiple splines, the sample position is found based on the total accumulated length, including the lengths of all previous splines. The order of the splines is the same order as displayed in the Spreadsheet Editor.



Input

Curve

The input geometry.

Value

Input Value.

Mode Factor

Factor

The resample amount with method Factor.

Curve Index

The curve index.

Mode Length

Factor

The resample amount with method Factor.

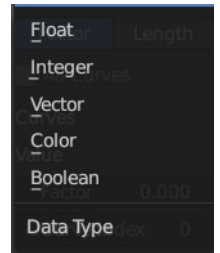
Length

The resample amount with method Length.

Properties

Data Type

What data to calculate.



Sample Curve Mode

How to calculate the curve. By a factor, or by its length.

All Curves

Sample lengths based on the length of all curves.

Output

Value

Output Value.

Position

The position at the sample along the spline.

Tangent

The normalized curve tangent at the sample.

Normal

The normalized curve normal at the sample.