

# 12.1.38 Editors - Geometry Nodes Editor - Header - Add Menu - Utilities - Field

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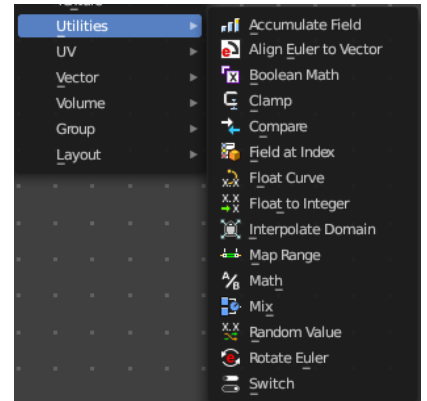
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## Add menu - Utilities

Utility nodes are mainly for mathematical operations.



### Accumulate Field

Creates a running total of a given Vector, Float, or Int field.

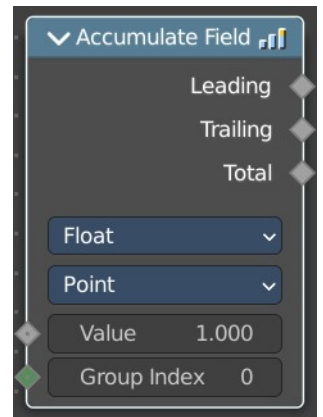
#### Inputs

##### Value

The field to be accumulated.

##### Group Index

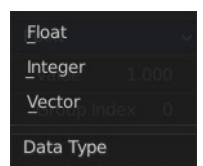
The values of this input are used to aggregate the input into separate 'bins', creating multiple accumulations.



#### Properties

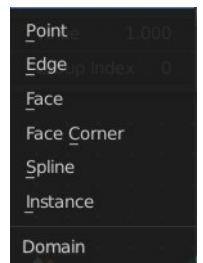
##### Data Type

What data type to work with.



##### Domain

From which domain to use the data.



#### Outputs

##### Leading and Trailing

Returns the running totals starting at either the first value of each accumulations or 0 if there is no data

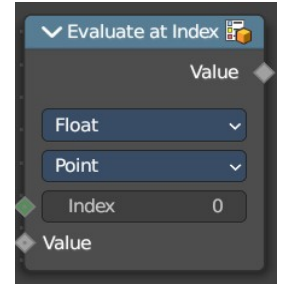
## **Total**

Returns the total accumulation at all positions of the field.

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## **Evaluate at Index**

This node allows accessing data of other elements in the context geometry. It is similar to the Transfer Attribute node in Index mode. The main difference is that this node does not require a geometry input, because the context is used.



## **Inputs**

### **Index**

Input Index.

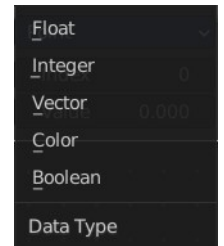
### **Value**

Input Value.

## **Properties**

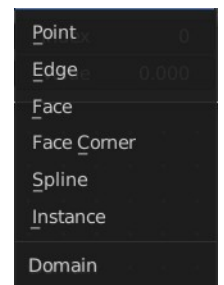
### **Data Type**

What data type to calculate.



### **Domain**

What geometry to calculate.



## **Output**

### **Value**

The output value.

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## Evaluate on Domain

This node evaluates an existing field on a separate domain in a larger field context - an alternative to the Capture Attribute node. This node gets the field type of an existing field from the input socket and interpolates the field type as an array in the output socket.

### Inputs

#### *Value*

The input value to get the field.

### Properties

#### *Data Type*

Select the Data Type - which can be float, integer, vector, color and boolean.

#### *Domain*

The domain the Field evaluates. This gets and filters the field type. The domain can be point, edge, face, face corner, spline or instance.

### Outputs

#### *Value*

The output value.

