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Index of Nearest

The **Index of Nearest** node is a way to find other close elements in the same geometry. If needed you can use Group ID to determine the group of neighbors to be analyzed together.

This is an alternative to the Sample Nearest Node node. The main difference is that this node does not require a geometry input, because the geometry from the field context is used.

> Tip
>
> This is often combined with the Evaluate at Index Node or the Sample Index Node node.

Inputs

Position

The position for each element to search. By default, this is the same as if the Position Node was connected.

Group ID

ID to group elements together.

Outputs

Index

The index of the closest element in the same geometry component.

Has Neighbor

This is true when the group of the element has at least two elements. This is only relevant when using *Group ID*.

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Geometry Proximity Node

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