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Offset Point in Curve Node

The *Offset Point in Curve* node retrieves other points in the same curve as the input control point. This is like starting at a specific control point and walking along neighboring points toward the start or end of the curve.

Conceptually the operation is similar to the [Offset Corner in Face Node](#), but the point index doesn't wrap around to the other end of the curve unless it is cyclic.

Inputs

Point Index

The index of the input control point.

Note

By default this uses the [index](#) from the field context, which makes it important that the node is evaluated on the point domain.

Offset

The number of points to move around the curve before finding the result. If the curve is [cyclic](#) and the offset goes past the start or end point of the curve, it will wrap around to the other side.

Properties

This node has no properties.

Outputs

Is Valid Offset

Whether the input control point plus the offset is a valid index of the original curve. Any offset in a cyclic curve is always valid.

Point Index

The index of the offset curve point.

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