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Edge Angle Node

The *Edge Angle* node calculates the angle in radians between two faces that meet at an edge. For the Face, Face Corner, and Point domains, the node uses simple domain interpolation to move values from the mesh's edges.

> Note
>
> The output of this node depends on the density of the mesh. If there are more edges closer together and the curvature of the mesh stays the same, the edge angle will be different.

Inputs

This node has no inputs.

Properties

This node has no properties.

Outputs

Unsigned Angle

The shortest angle in radians between two faces where they meet at an edge. The range of the data is from zero to PI. Flat edges and Non-manifo edges have an angle of zero. An edge between two faces completely folded back on each other has an angle of PI, or 180 degrees.

> Tip
>
> Computing this value is slightly faster than the signed angle, so if there is no need to distinguish between convex and concave angles, using this value can provide a performance improvement.

Signed Angle

The signed angle in radians between two faces where they meet at an edge. Flat edges and Non-manifold edges have an angle of zero. Concave angles are positive and convex angles are negative.

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