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# Axes to Rotation Node

Creates a rotation based on two axis directions.

Tip

In many cases, these directions are a normal and tangent on a mesh or curve.

## Inputs

Primary Axis

The desired direction of the primary axis.

Secondary Axis

The desired direction of the secondary axis. Ideally, this is orthogonal to the primary direction.

## Properties

Primary Axis

The axis (X, Y or Z) that should be aligned exactly to the primary direction.

Secondary Axis

The axis that should be aligned as closely as possible to the secondary direction.

## Outputs

Rotation

The rotation that results in the given axes being aligned to the given directions.

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