



## Modeling Radial Heat Flow

Use *Radial Heat Flow* to improve accuracy for elements where the heat flow is strongly radial. Only thin shell and 3D elements are supported by this feature.

[Locate the icon.](#)

The elements should be created so that their edges lie in the radial and tangential directions.

You specify an axis for the radial heat flow by entering the labels of two nodes which lie along it. Conductances will be calculated for the selected elements using a logarithmic formulation for the temperature field:

$$q = - 2\pi krL \frac{dT}{dr}$$

Conductances in the direction tangential to the axis are calculated assuming a linear temperature gradient.

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