

ANSYS - Radiation Between Surfaces

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Problem Specification

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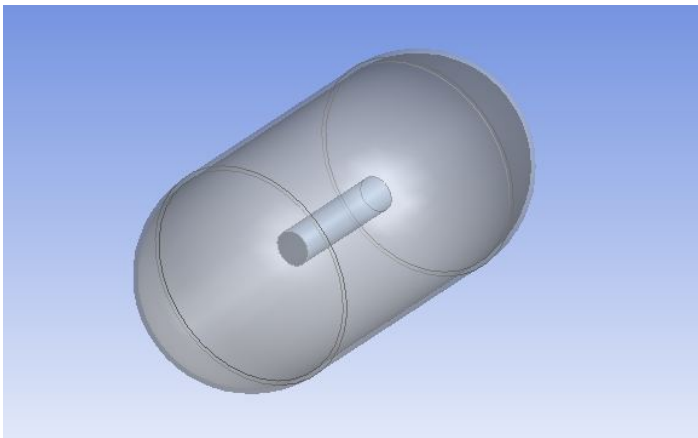
Radiation Between Surfaces

Created using ANSYS 14.0

Problem Specification

A very cold specimen is placed in the center of a shell in room temperature. Radiation is exchanged between the surface of the shell and the specimen. Find the emitted radiation, the reflected radiation, the incident radiation, and the net radiation of each surface. Both the shell and the specimen are structural steel.

The model is shown below:



Acknowledgement

Special thanks to Sean Harvey from ANSYS Inc. This tutorial is based on an example provided by Sean.

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