ANSYS - Radiation Between Surfaces

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Problem Specification

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Exercises Comments

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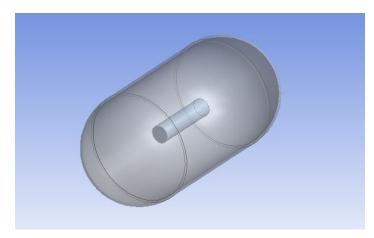
Radiation Between Surfaces

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:



(ii)

Acknowledgement

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