## Hertz Contact Mechanics - Exercises

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Problem Specification

1. Pre-Analysis \& Start-Up
2. Geometry
3. Mesh
4. Physics Setup
5. Numerical Solution
6. Numerical Results
7. Verification \& Validation

Exercises
Comments

## Exercises

As an exercise, consider the following problem of two spheres in contact. While our sphere-to-plate example used $\mathrm{R}_{2}=+$, the following example deals with two finite radii.


1. Compute the contact radius and compare with analytical results.
. Compute the maximum pressure that is induced along the $z$-axis.
2. Check the validity of the numerical results by confirming the force reaction balance, and observe the effect of refining mesh.

## Go to Comments

Go to all ANSYS Learning Modules

