## ANSYS AIM - Taylor-Couette Flow between Rotating Cylinders

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## Taylor-Couette Flow between Rotating Cylinders

Created using ANSYS 18.1

## Problem Specification

A viscous fluid is between two concentric cylinders of radii a and b, which are rotating at constant angular velocities. The diagram below shows these two a = 1[m] b = 2a and  $\omega_2 = 0$  [rad/s] but the velocity of the inner wall must be calculated to create the Taylor-Couette phenomenon. Find the velocity vectors that are characteristic of the Taylor-Couette flow.

Go to Step 1: Pre-Analysis & Start-Up

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