Bifurcating Artery - Numerical Results

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Numerical Results

Streamlines

The following videos show how to plot streamlines using the CFD Post post-processor included in ANSYS Workbench. First, we plot streamlines emanating from the the inlet.

The streamlines emanating from the inlet do not include those in the recirculating region or the "deadwater" region. To see the streamlines in the recirculating region, we:

- Create points along a line within the recirculating region
- Plot streamlines emanating from these points

Wall Shear

The following video shows how to plot wall shear along the left wall of the bifurcating artery.

Pressure Gradient

The procedure to create a contour plot of the pressure gradient is shown in the video below.

Go to Step 7: Verification & Validation

Go to all FLUENT Learning Modules