

Unsteady Flow Past a Cylinder - Pre-Analysis & Start-Up

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Pre-Analysis & Start-Up

Please complete the "Steady Flow past a Cylinder tutorial before completing this tutorial. Click [here](#) to go to the problem statement of the "Steady Flow Past a Cylinder" tutorial.

Alternatively, click [here](#) to download the completed project files for the "Steady Flow Past a Cylinder" tutorial.

The pre-analysis is the same for both steady and unsteady flow past a cylinder. Click [here](#) to go to the pre-analysis of the "Steady Flow Past a Cylinder" tutorial.

To start-up, open your completed "Steady Flow Past a Cylinder" project file. (If using the completed version in the zip file above, extract the files and open "Cylinder.wbpj".)

Right-click on **Fluid Flow (FLUENT)** and then click **Duplicate**. Enter "Unsteady Flow" in the highlighted field to rename it. Your Project Schematic should now appear as below.

| A | | | |
|---|---------------------|---|--|
| 1 | Fluid Flow (FLUENT) | | |
| 2 | Geometry | ✓ | |
| 3 | Mesh | ✓ | |
| 4 | Setup | ✓ | |
| 5 | Solution | ✓ | |
| 6 | Results | ✓ | |

Steady Flow

| B | | | |
|---|---------------------|---|--|
| 1 | Fluid Flow (FLUENT) | | |
| 2 | Geometry | ✓ | |
| 3 | Mesh | ✓ | |
| 4 | Setup | ✓ | |
| 5 | Solution | ⚡ | |
| 6 | Results | ? | |

Unsteady Flow

[Go to Step 2: Geometry](#)

[Go to all FLUENT Learning Modules](#)