ANSYS Fluid Flow over a Bluff Body - Results

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Problem Specification
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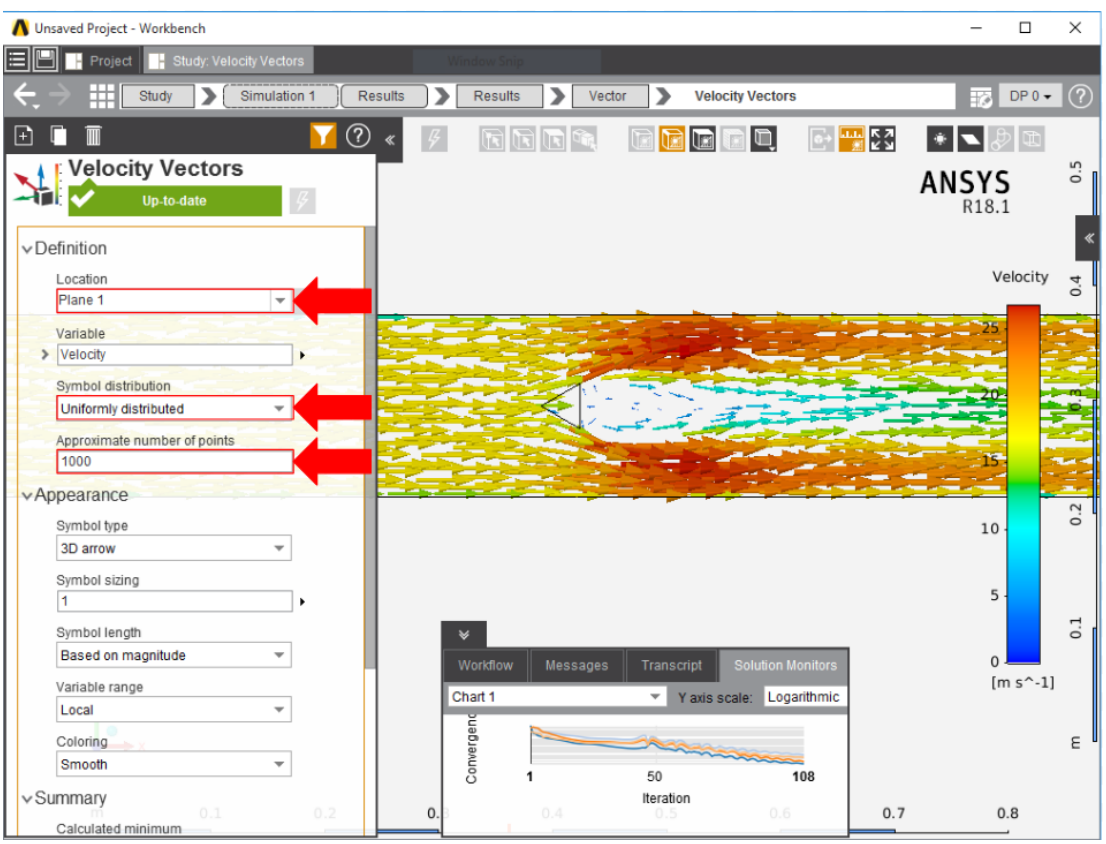
Solution/Results

Press the **Results** button in the **Workflow** to extract information from the simulation. In order to find information that can be readily used, first press **Evaluate Results**. Once the evaluation is complete, AIM will automatically output a vector in the **Results** section under **Objects**. Most of the time, the default setting for these vector plots use a vector appearance that is too big, making it difficult to analyze. A good technique is to make a plane that bisects the fluid flow. Add a plane by selecting the two symmetry walls and pressing the **Add plane** button near the top right corner of the window.

Select the **Velocity Vector** to edit the settings with which the vectors are defined. Select the new plane as the **Location**. Retain **Symbol distribution** as **Uniformly distributed** and input a value between 1000-2000 for **Approximate number of points**. If desired, change the **Symbol sizing** in the **Appearance** section to alter the arrows. Press the **Play** button in the model window to see how these velocity vectors develop over time.



Go to Step 6: Verification & Validation

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