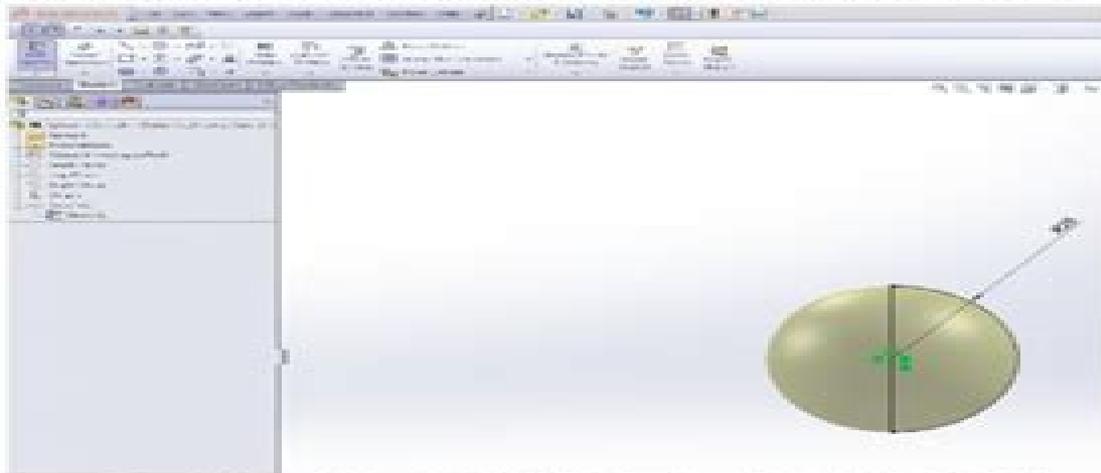


Finding Drag Coefficient using Solidworks Flow Simulation

Using solidworks to find the drag coefficient of shapes is a very useful way to cut down on the design time of a project, as it can remove tests. Running simulations also gives a visualization of how the fluid will flow around a part and give the user an idea of low and high pressure zones, fluid vectors, and ways they can streamline their parts. In this tutorial you will learn how to find the drag coefficient of a sphere and insert and view plots of velocity. You will also learn the limitations of the Solidworks Flow simulation add-in.

1. Model a sphere with a diameter of 50mm. This can be done with a revolved base.



2. Go to Tools>Add-ins and load SolidWorks Flow Simulations 2013. Select OK.



3. Save your document. In the flow simulation tab, select Wizard in the upper left hand corner to start a new simulation.



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WJ Hussar



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