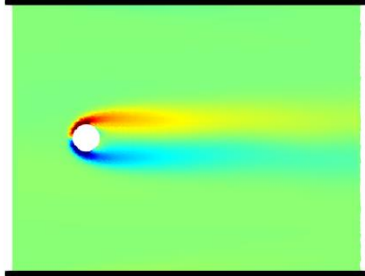
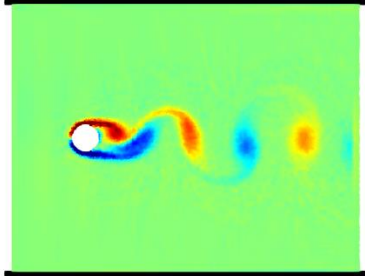
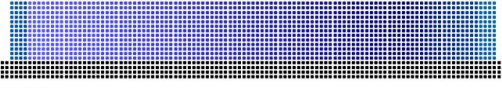
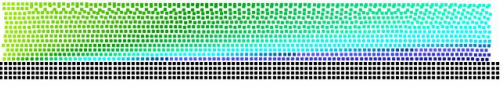
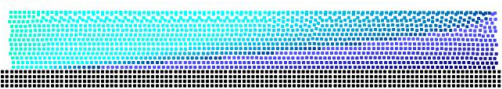
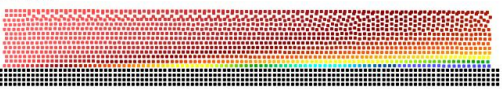
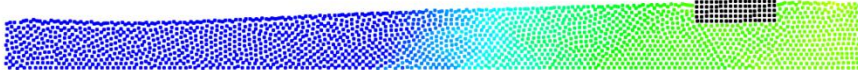
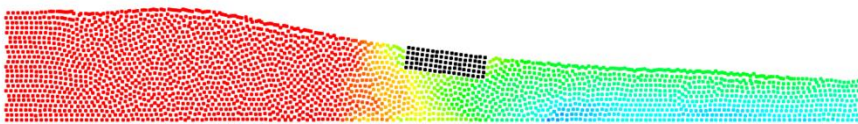

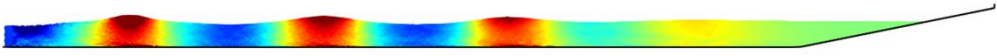
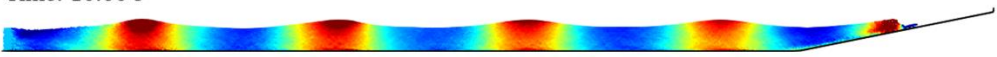
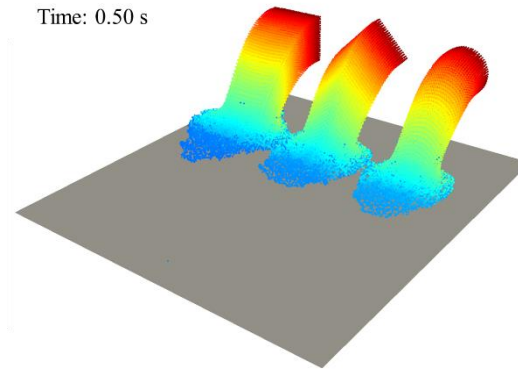


<p>01_FLOWCYLINDER</p> <ul style="list-style-type: none"> 2-D flow past a circular cylinder in steady ($Re=20$) and unsteady ($Re=200$) modes. Video 	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>CaseFlowCylinder_Re020</p>  </div> <div style="text-align: center;"> <p>CaseFlowCylinder_Re200</p>  </div> </div> <p style="text-align: center;">Time: 10.00 s</p>
<p>02_OPENCHANNEL</p> <ul style="list-style-type: none"> 2-D open channel flow over a sloped channel ($Re=100$). Video 	<div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px;"> <div style="text-align: center;"> <p>Time: 0.00 s</p>  </div> <div style="text-align: center;"> <p>Time: 2.00 s</p>  </div> <div style="text-align: center;"> <p>Time: 1.00 s</p>  </div> <div style="text-align: center;"> <p>Time: 5.00 s</p>  </div> </div>
<p>03_REVERSEFLOW</p> <ul style="list-style-type: none"> 2-D flow reversion, where the reversion is shown by means of a floating body immersed in the flow. Video 	<div style="text-align: center;"> <p>Time: 10.50 s</p>  </div> <div style="text-align: center;"> <p>Time: 16.10 s</p>  </div>
<p>04_WAVES2D</p> <ul style="list-style-type: none"> 2-D regular waves generated at the inlet using predefined velocities from linear wave theory. Video 	<div style="text-align: center;"> <p>Time: 2.00 s</p>  </div> <div style="text-align: center;"> <p>Time: 6.00 s</p>  </div> <div style="text-align: center;"> <p>Time: 10.00 s</p>  </div>

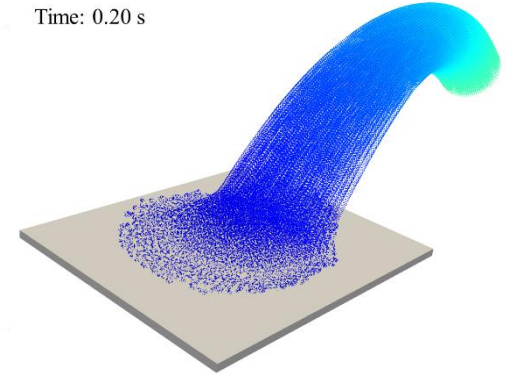
05_SHAPESINLET3D

- 3-D case with inlet buffers of different shapes (rectangular, cylindrical and diamond shapes). [Video](#)
- 3-D case with inlet buffer of cylindrical shape but with a different angle. [Video](#)

Time: 0.50 s



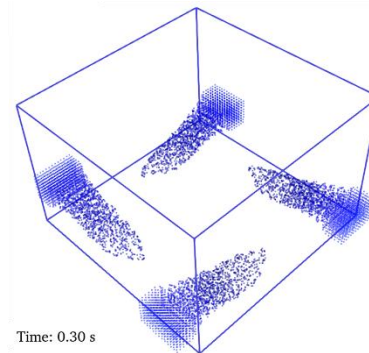
Time: 0.20 s



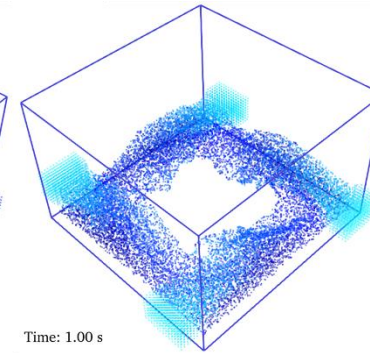
06_BOX4INLET3D

- 3-D case with several inlet buffers in the same simulation. [Video](#)

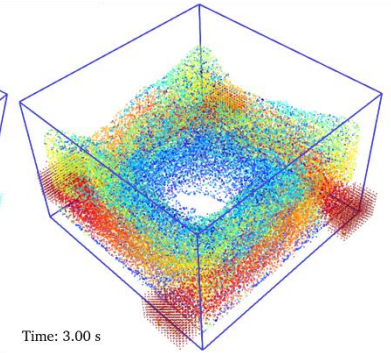
Time: 0.30 s



Time: 1.00 s



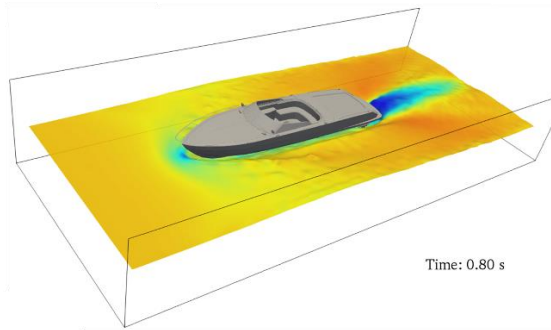
Time: 3.00 s



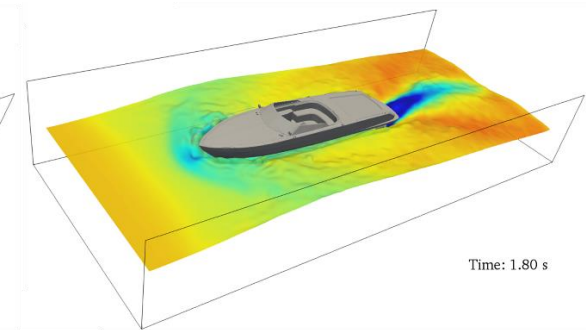
7_CURRENTHULL

- 3-D flow of constant velocity past a ship hull in a narrow channel. [Video](#)

Time: 0.80 s



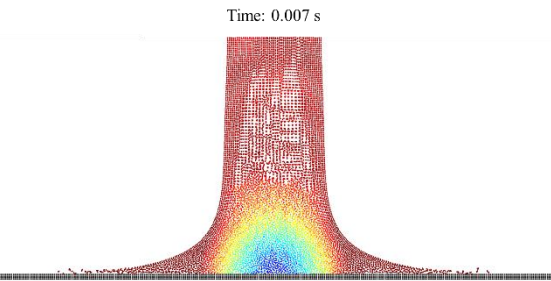
Time: 1.80 s



8_IMPINGINGJET

- 3-D vertical jet impinging on a flat bottom. [Video](#)

Time: 0.007 s



Time: 0.100 s

