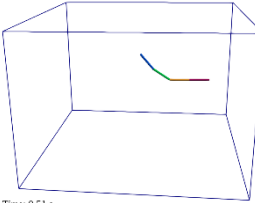
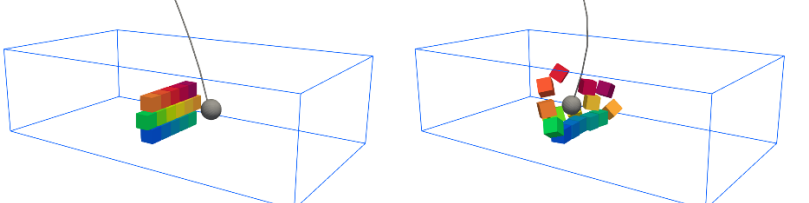
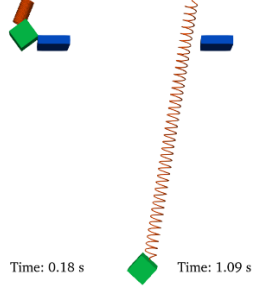
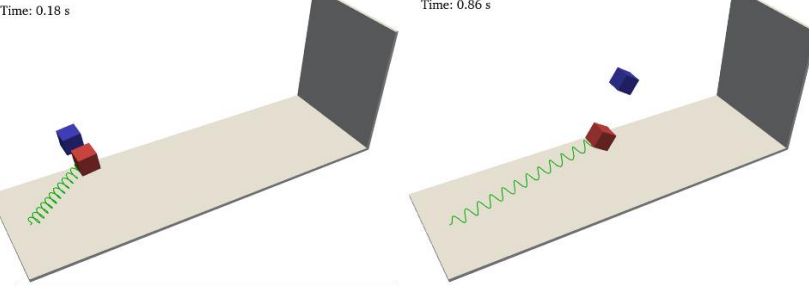
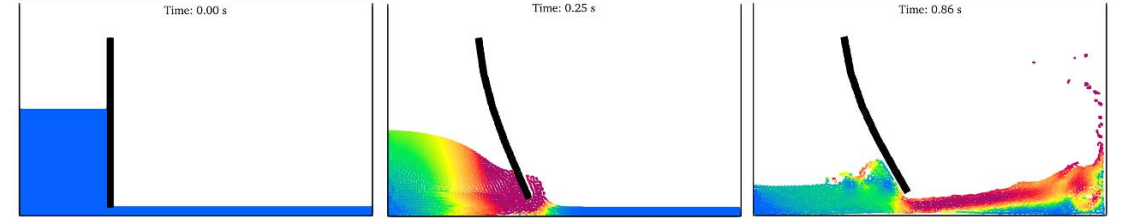
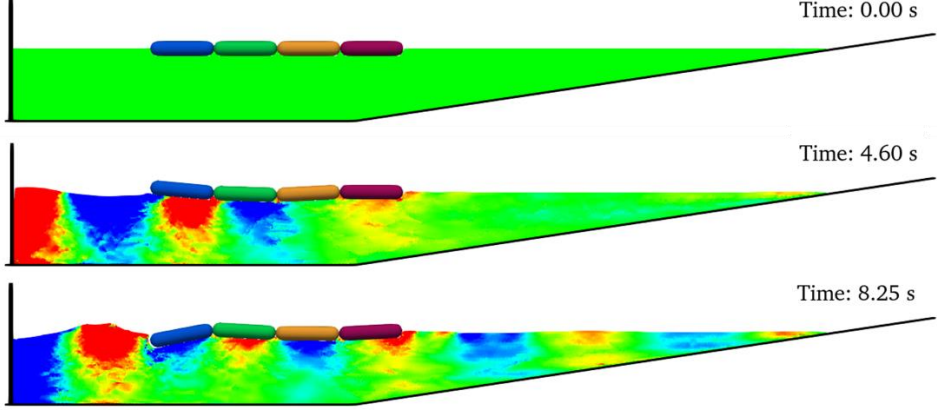
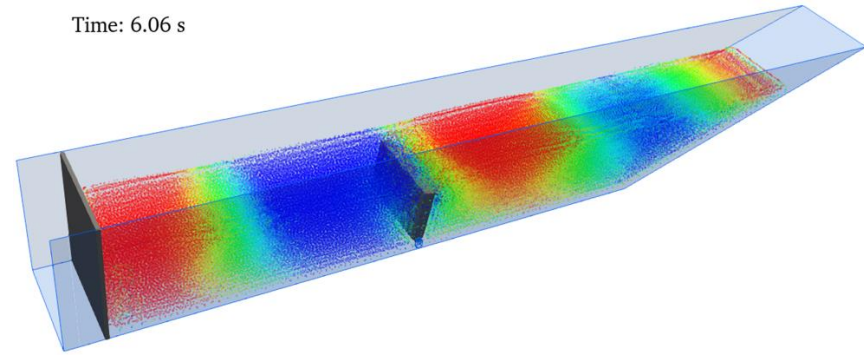


<p>01_PENDULUM</p> <ul style="list-style-type: none"> Several bodies connected with a spherical link (hinge) to mimic a chaotic pendulum. Video Previous configuration + a spherical body linked at the end of the chain of bodies that will collide with blocks. Video 	 <p>Time: 0.51 s</p>	 <p>Time: 1.03 s Time: 1.57 s</p>
<p>2_SPRING</p> <ul style="list-style-type: none"> A block is connected to a fixed point with the linear spring functionality. Video Two blocks are initially moved with predefined linear and angular velocity but one of them is connected to a linear spring. Video 	 <p>Time: 0.18 s</p>	 <p>Time: 0.18 s Time: 0.86 s</p>
<p>3_FLEXIBLEGATE</p> <ul style="list-style-type: none"> 2-D flexible gate is emulated by linking rigid blocks with a series of hinges, with rotational rigidity and damped behavior. Video 	 <p>Time: 0.00 s Time: 0.25 s Time: 0.86 s</p>	
<p>04_PELAMIS</p> <ul style="list-style-type: none"> Several bodies connected with a spherical link (hinge) combined with a point line link. Video 	 <p>Time: 0.00 s Time: 4.60 s Time: 8.25 s</p>	

05_OWSC

- A mechanism subjected to waves is hinged to the tank bottom. [Video](#)

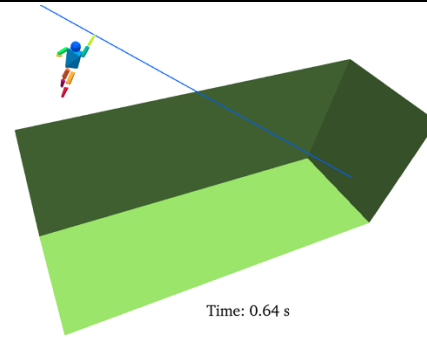
Time: 6.06 s



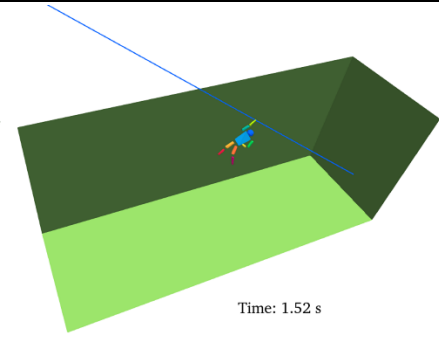
06_ZIPLINE

- A simplified ragdoll is defined: with one hand restricted by a point line link and with full self-collisions. [Video](#)

Time: 0.64 s



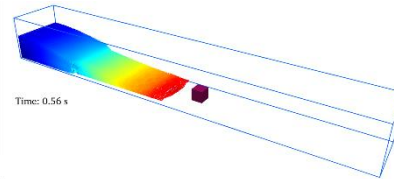
Time: 1.52 s



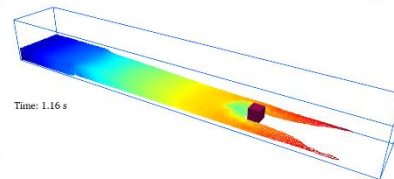
07_DAMBREAKCUBES

- 3-D dam break impacts with cubes (1 & 3) that interact between themselves and with the fixed boundary. [Video1](#) & [Video2](#)

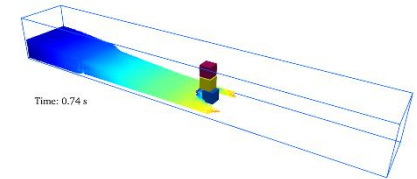
Time: 0.56 s



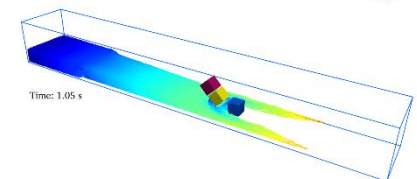
Time: 1.16 s



Time: 0.74 s



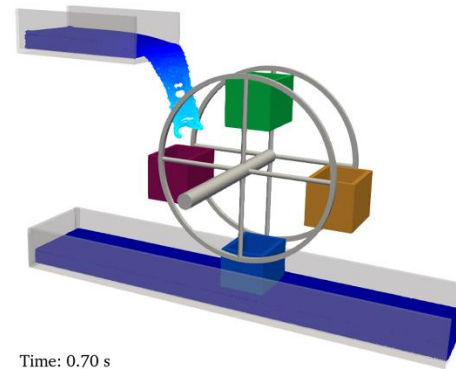
Time: 1.05 s



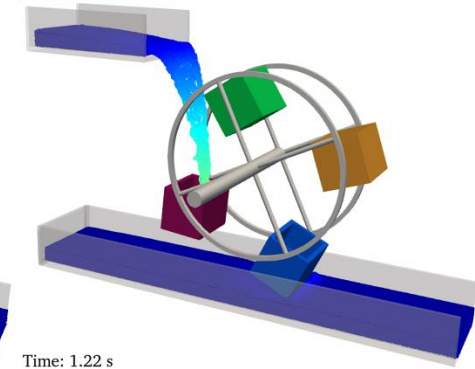
08_WATERMILL

- Complex mechanism is designed with multiple links enabling relative motions, driven by the fluid or another object. [Video](#)

Time: 0.70 s

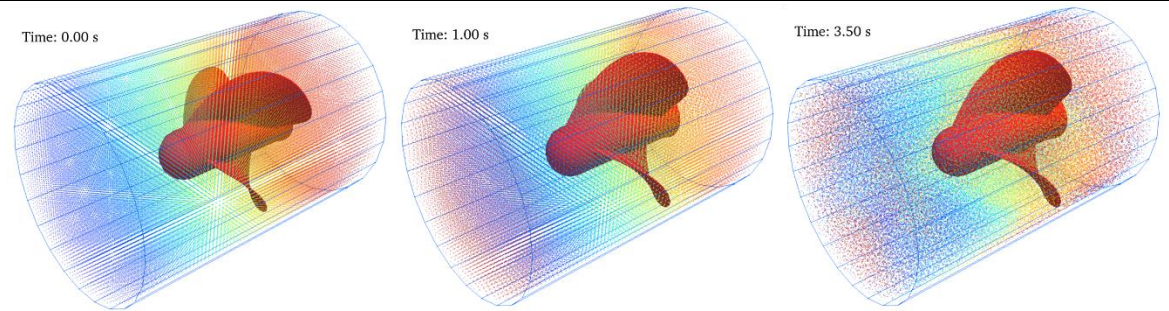


Time: 1.22 s



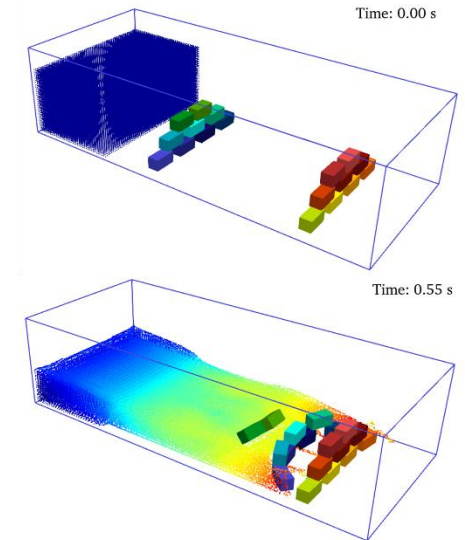
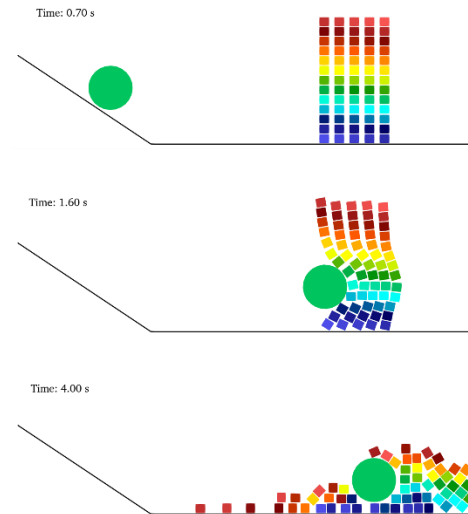
09_TURBINE

- A closed fluid circuit driven by gravity provides the necessary momentum to a hinged turbine to rotate. [Video](#)



10_REPLACINGDEM

- Same cases shown in *examples/main/14_DEM* but now using Chrono to solve collisions. [Video1](#) & [Video2](#)



11_POINTABSORBER

- 2-D floating box under the action of regular waves is restricted to only-heave motion using Chrono (point line link) and using direct restrictions. [Video](#)

