

FSI simulation on Sodebo's sails and rigs

Coupled unsteady potential flow and structural simulation:

Fluid structure interaction simulations are runned with the code Aravanti . This code is composed by the fluid solver Avanti and the structural one Ara. The code modelizes the deformation and the flow arround the sails and the rigs thanks to the complete interaction between the rigs, the sails and the flow.

- Fluid structure interaction simulation on various set of sails
- Equilibrium studi on sailing boat (VPP)
- Aerodynamic forces studi, design of mast and rigs

Computed with Aravanti

