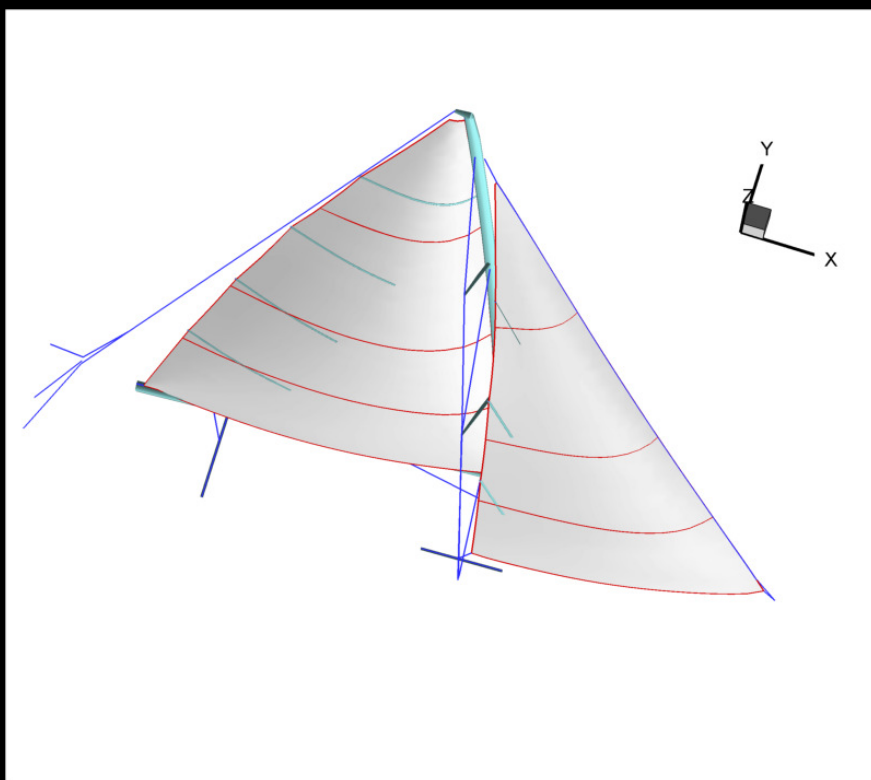


FSI simulation on J80 sails and rigs

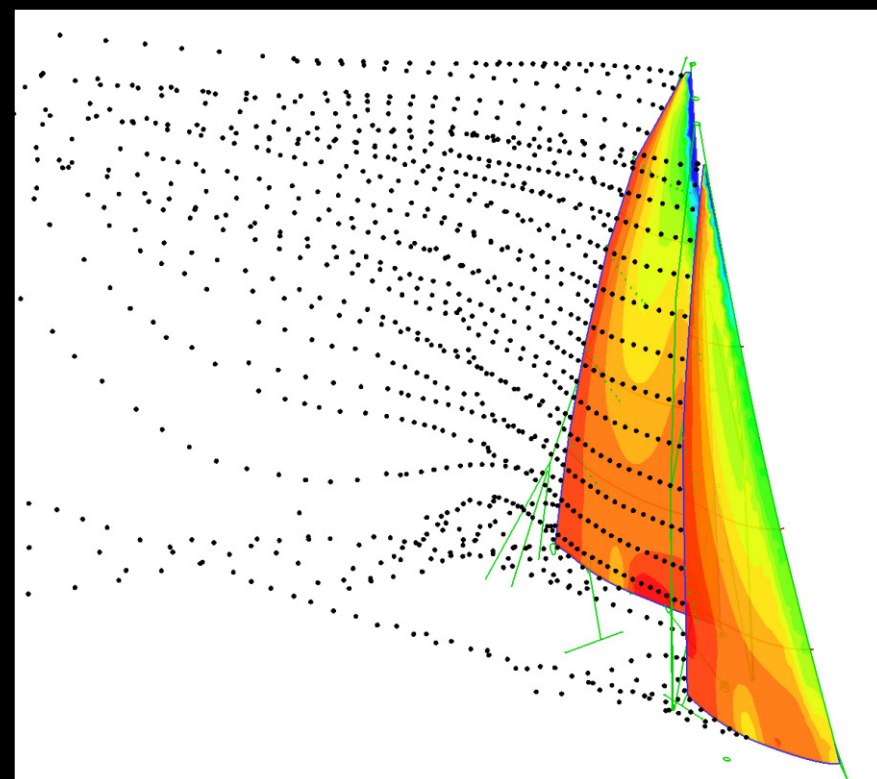
Coupled unsteady potential flow and structural simulation:

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 around the sails and the rigs thanks to the complete interaction between the rigs, the sails and the flow.

Computed with Aravanti



FSI simulation of the complete J80 rigging and sails



Pressure field and flow on sails