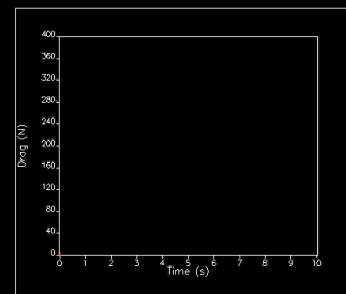


Performance study on calm water and waves on F18 catamaran for Martin Fischer

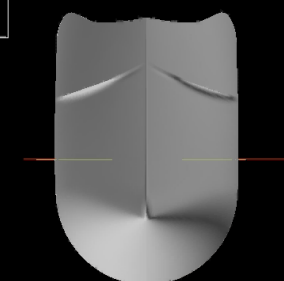
Unsteady RANSE with free surface computation:

- Free surface deformation modelization
- Viscous and pressure drag prediction
- Dynamic hull attitude (sinkage and trim) on calm water
- Dynamic hull attitude (sinkage and trim) on waves



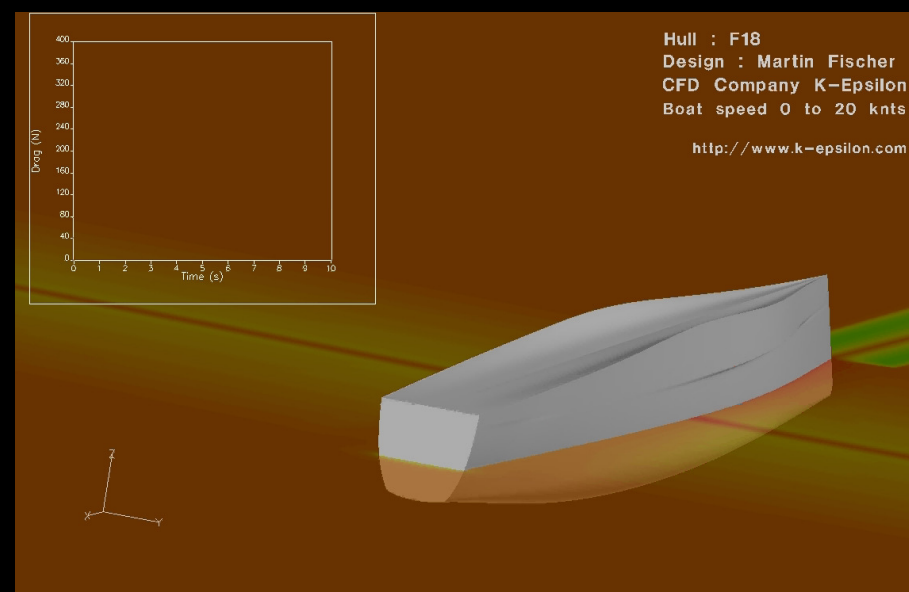
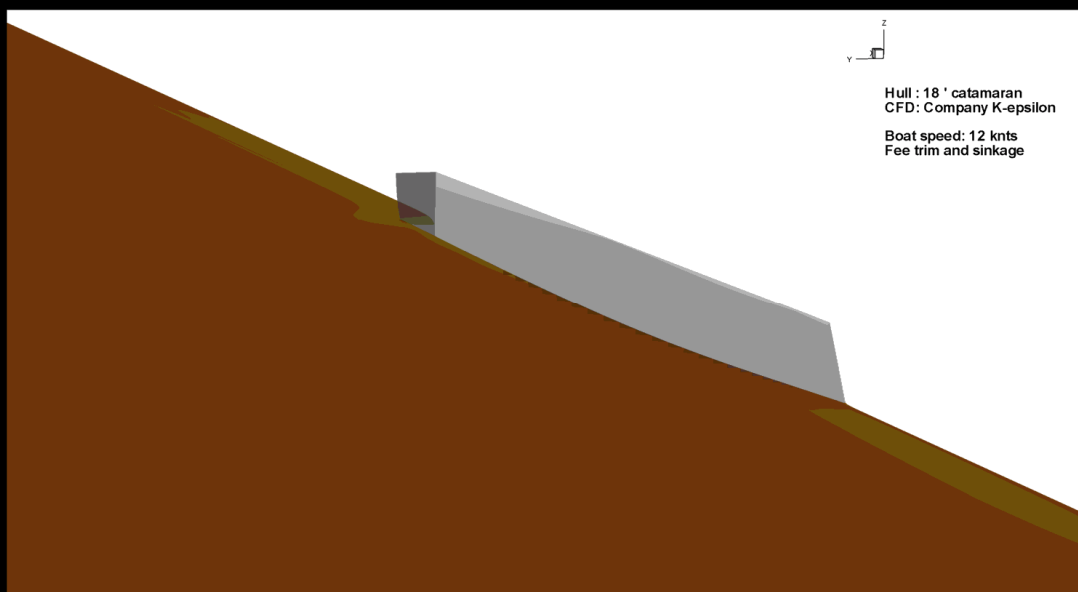
Hull : F18
Design : Martin Fischer
CFD Company K-Epsilon
Boat speed 0 to 20 knts

<http://www.k-epsilon.com>



Computed with FINE™/Marine

Frontside view of free surface deformation and hull attitude



Side view of free surface deformation and catamaran attitude on waves

Side view of the free surface deformation and hull attitude