

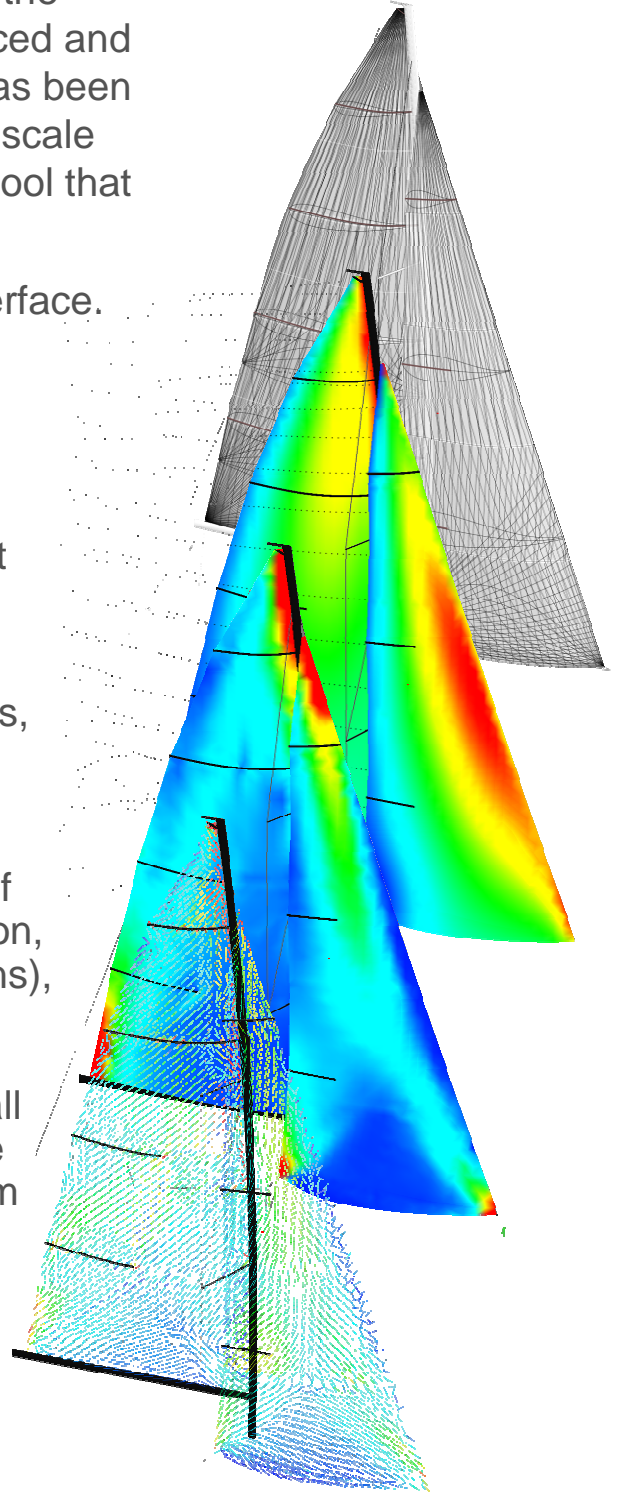


SailPack FSI - Aravanti Fluid & Structural Analysis

SailPack – Fluid Structure Interaction calculation

- * SailPack FSI calculation is made in collaboration with the company K-Epsilon that provides the ARAVANTI software. It is the most advanced and accurate solution for FSI calculations. It has been developed for years and validated by real scale experimentations. This is a true scientific tool that will let you optimize your sail design...
- * ARAVANTI is part of the SailPack FSI interface. You define in SailPack:
 - * The models of the sails and rig,
 - * The mechanical properties,
 - * The rig initial trimming conditions,
 - * The navigation parameters (wind, boat speed and attitude, etc...)
- * Almost all types of rigs can be modeled: sloop, ketch, rotating wing mast, outriggers, keel stepped masts with jack, backstay deflectors, barber, inhauler...
- * The results are displayed in the 3D view of SailPack: flying shape, pressure distribution, loads, strains (values and main orientations), wrinkles, etc...
- * You obtain also the loads and strains on all the cables, beams, or elements part of the rig and the resulting forces and momentum that are applied to the model.
- * SailPack-ARAVANTI is used for upwind situations. SailPack is also able to export files compatible for RANS calculations (FINEMARINE...).

K-EPSILON
HYDRODYNAMICS & AERODYNAMICS



Additional Information:

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