

HPYD4 – Accepted papers (Jan 2012)

Saydam	Investigation of scale effects in sailing yacht hydrodynamic testing
Cudby	Using parametric modelling, CFD, and historical data to estimate planing hull performance on a laptop
Hutchison	Model testing -what's the point? A review of yacht testing and the implications for yacht designers
Malpede	Modernization and calculation of the windage of sailing boats standing rigging
Campbell	Tuning of appendages for an IMOCA60 yacht
Lozej	Pressure distribution on sail surfaces in real sailing conditions
Fossati	Sailing yacht aerodynamics in dynamic conditions
Ljungqvist	Investigation of keel bulbs for sailing yachts
Viola	On the CFD modelling uncertainty of IACC yachts
Hochkirch	Speed vs stability: Design considerations and velocity prediction of a hydro-foiled international moth
Visonneau	Anisotropic grid adaptation for RANS simulation of a fast manoeuvring catamaran
Tahara	CFD calculation of downwind sail performance using flying shape measured in the wind tunnel
Augier	The unsteady aspect of yacht sails dynamic: Full scale experimental study on fluid structure interaction
Lombardi	Numerical simulation of sailing boats: dynamics, Fsi and shape optimization
Goutard	Numerical modelling of slamming on elastic panels using coupled FE-FV method
Winton	New material for sail production
Norris	CFD models of sail aerodynamics using Reynolds stress models
Hutchins	Sail CFD and wind tunnel testing for VOR70 Design
Le Pelley	Aerodynamic force deduction on yacht sails using pressure and shape measurements in real time
Huetz	Systematic study of the hydrodynamic forces on a sailing yacht hull using parametric design, CFD and principal component regression. Application to VOLVO 70 design
Eggers	From quasi-steady to unsteady hydrodynamics; how dynamic effects can influence sail yacht performance
Boeck	Side force generation of slender hulls
Lake	AC45: A STUDY OF HIGH PERFORMANCE COMPOSITE
Imas	?
Battley	Effect of stiffener compliance on response of curved hull panels
Laguette	
Hansen	DESIGN BY BEST ENGINEERING PRINCIPLES FOR THE SOLAR CATAMARAN TÛRANOR PLANETSOLAR