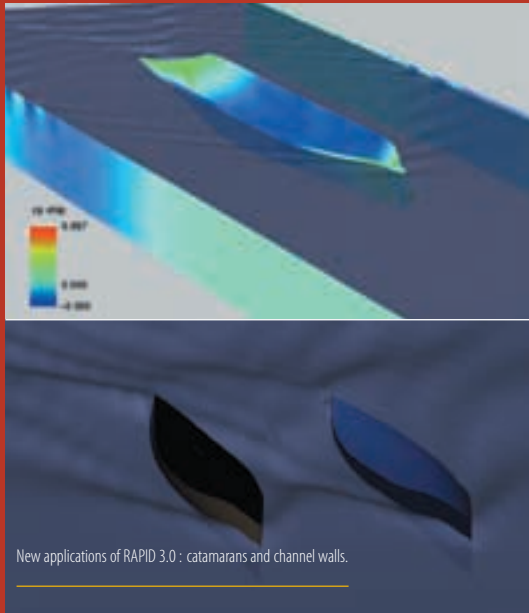


# Get acquainted with RAPID release 3.0

Gert Jan Zondervan  
G.J.D.Zondervan@marin.nl



An essential part in the development of today's competitive ship design is a good hull shape. For several years MARIN's RAPID CFD software has proven to be a very reliable tool for ship designers to improve the hydrodynamic aspects of their designs. MARIN is now offering the latest update of this well-known program.

In RAPID a nonlinear free surface panel method is implemented for an accurate computation of the wave surface and the steady potential flow around the ship. Using computed wave patterns, dynamic trim and sinkage, wave resistance and wash, ship designers are able to assess and improve the quality of their designs.

At MARIN, RAPID has been applied to several thousands of different hull forms and has demonstrated its accuracy in many validations.

The new release facilitates considerably reduced processing times by its improved ease of use, support and reduced calculation times. The program is now also able to handle catamarans and the influence of channel walls.

This fast and user-friendly code enables an easy and rapid assessment of effects of the variations of hull form, speed, draught and water depth, for most hull shapes.

Run this CD-ROM (standard Windows PC) for a presentation of the new RAPID features and a demonstration of the program. The CD-ROM is best viewed with display settings of 1024 x 760.

This update is now available. Please contact MARIN for licensing options. 