Ship reference: ITTC-Box (Aalto University & NAPA)

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| Ship information | Box-shaped barge (nominal scale 1:10) Model dimensions:   * Length: 4.0 m * Breadth: 0.80 m * Draft (in tests) 0.50 m   Used for the ITTC benchmark study in 2007 |
| Data provided by: | Napa Ltd & Aalto University, Finland Funded by: Napa Ltd and Tekes (the Finnish Funding Agency for Technology and Innovation) |
| Definition data: | * Hull form and compartments in: Rhino 3dm format (v.4 and v.5), iges-format * NAPA database with definitions of hull and internal compartments * Detailed document with all dimensions and discharge coefficients for the openings |
| Experimental data: | 4 different flooding scenarios, measurement data includes:   * Roll, pitch and heave motions * Water levels in all flooded compartments * Air pressures in the double bottom compartments |
| Enclosed documentation: | Ruponen, P., Sundell, T., Larmela, M. 2007. Validation of a simulation method for progressive flooding, *International Shipbuilding Progress*, Vol. 45, pp. 305-321.  Ruponen, P. 2006. Model tests for the progressive flooding of a box-shaped barge, Report M-292, Helsinki University of Technology, Ship Laboratory.  Data sheet for the original ITTC benchmark study:   * instructions for interpreting the provided measurement data * detailed information on the geometry of the barge and the flooded compartments |
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