

Name of organization Krylov State Research Centre		Year of information updating 2016
Year established 1894		Year of joining the ITTC 1955
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Type of facility Seakeeping/maneuvering model basin	Year constructed/upgraded 1959/2011	
Name of facility Seakeeping/maneuvering model basin	Location Same	
Main characteristics basin length: 35 m basin breadth: 20 m basin depth: 3.55 m		
Drawings of facility		
Detailed characteristics		
Description of carriages: small rotating arm with unmanned carriage		
Type of drive system and total power: motor driving with Ward-Leonard control, 3.7 kW		
Max towing (carriage) speed: 5 m/s (at radius 7.5 m)		
Radius: from 0 to 8.0 m		
Wavemaker		
Wave generation capability: regular and irregular, length 0.7-6.0 m, maximum height 0.35 m		
Wavemaker type and extent: oscillating flaps, 20 m width (5 flaps x 4 m)		
Beach type and length: slope plate, 20 m wide		
Method of irregular wave generation: superposition of 20 harmonic components, using computer operation system		
Wave frequency: 0.2 - 2 Hz		
Wavemaker power: 30 kW (5 synchronous servomotors x 6 kW)		
Applications		
Instrumentation: dynamometers		
Model size range: ship lengths up to 3.0 m		
Model tracking techniques: infrared cameras located on the perimeter of the basin ("Qualisys Track Manager" system)		
Tests performed: hydrodynamic forces on model hull and appendages, kinematics		
Published description		
Proceedings of 9 International Towing Tank Conference, Madrid, 1957, p.280		
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