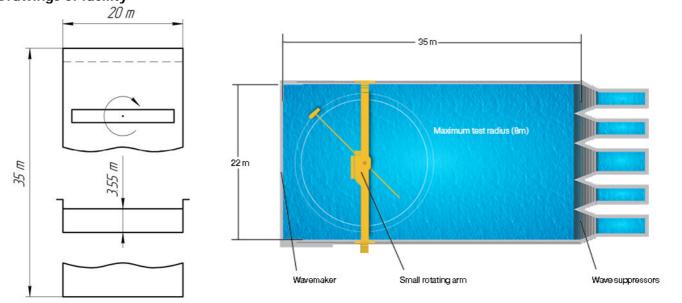
Name of organization	Year of information updating
Krylov State Research Centre	2016
Year established	Year of joining the ITTC
1894	1955
Address Russian Federation, Saint-Petersburg, Moskovskoe shosse, 44	Status in the ITTC member organization
Contact details (phone, fax, e-mail) Phone: +7 (812) 3866937 Fax: +7 (812) 386-69-43 E-mail: 9 otd@ksrc.ru	Website http://krylov-center.ru/eng/

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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