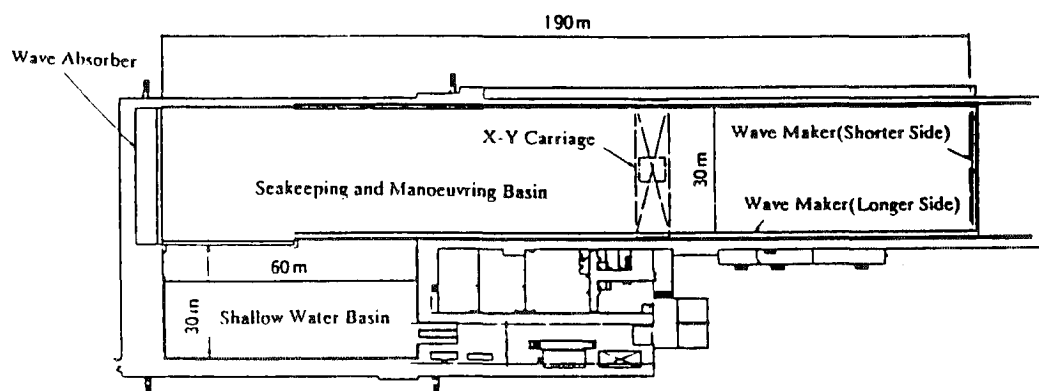


INTERNATIONAL TOWING TANK CONFERENCE CATALOGUE OF FACILITIES
TOWING TANKS, SEAKEEPING AND MANOEUVRING BASINS

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JAPAN

SHALLOW WATER BASIN (1986)



DESCRIPTION OF CARRIAGE: plate girder type without drive system

WAVE GENERATION CAPABILITY: regular, and irregular; period 0.5~2.5 sec,
max. wave height 0.2 m.

WAVE MAKER TYPE AND EXTENT: flap type, electro-hydraulic; 15 m length.

BEACH TYPE AND LENGTH: movable gabion with metal turnings.

METHOD OF IRREGULAR WAVE GENERATION: time history input by cassette tape.

WAVE MEASUREMENT: resistance type.

OTHER CAPABILITIES: current up to 0.5 m/s at 0.5 m water depth both direc-
tion; longitudinal and transverse. wind up to 10 m/s.

INSTRUMENTATION: on-line data acquisition and data processing system with
mini-computer.

MODEL SIZE RANGE: from 3 to 7 m; (4.5 5 m as a standard size)

TEST PERFORMED: (1) free model tests in waves, wind and current.

(2) restrained model tests in waves

(3) forced oscillation tests

(4) mooring tests

(5) test for bottom mounted structures

(6) hydraulic model test