

A Three-dimensional SPH Simulation of Iceberg Calving generated Waves

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Fig.1 Sketch of the physical model: (a) side view, (b) plan view.

The shape of the wavefronts outlined by the leading wave and the tailing waves are closely related to the iceberg geometry in the near field. However, as the wave propagates farther, the wavefront gradually develops into a semicircle independent of the iceberg geometry. The appearance of wavefront B is also related to iceberg geometry and iceberg water-entry velocity.

Wavefront A

Wavefront B