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## On a Computing Method for Nonlinear Free Surface Flow Causing Spray Ejection

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**Summary:** On the numerical simulation using the BEM, the computational disadvantage by dealing with the particular fluid domain due to the jet flow is discussed and the adaptive schemes for robust time-domain computation are proposed. The developed computational models for the jet flow and splash are applicable to the water impact problem of a bow section with an arbitrary shape. Two numerical studies are demonstrated for the validity of the present method through some comparisons with experimental and other computational results.

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