NUMERICAL COMPUTATION OF CRENULATE BAY SHAPE

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Abstract:

The numerical model is developed to compute the shoreline change in a crenulate bay. The proposed combined polar and Cartesian coordinate is applied in the vicinity of the upcoast control point where like hooked shape shoreline is formed. The initial shape of shoreline and starting time of shoreline computation in the hook zone is studied. The model is calibrated and verified with laboratory data and static equilibrium bay shape and showed good agreement.

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