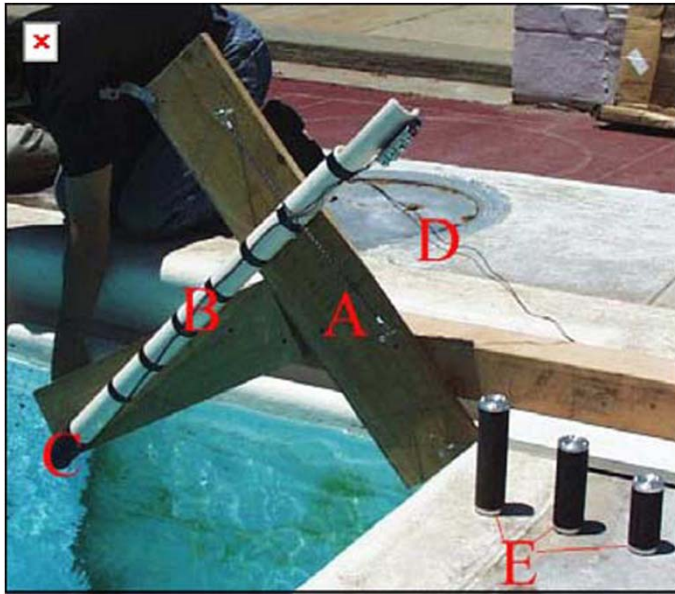


Assessment and Reconstruct of Navy's Mine Impact Burial Prediction Model

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2001-2002, Funding Level: \$159,930



Brief Description

Assessment of Navy's 2D mine impact burial model (IMPACT28) and development of the Navy's 3D mine impact burial model (IMPACT35).

NPS Theses

Gilles, A., "[Mine drop experiment](#)", MS in METOC, September 2001.

Evans, A., "[Hydrodynamics of mine impact burial](#)", MS in METOC, September 2002.

Selected Publications

Chu, P.C., C.W. Fan, A. D. Evans, and A. Gilles, 2004: Triple coordinate transforms for prediction of falling cylinder through the water column. *Journal of Applied Mechanics*, American Society of Mechanical Engineers, **71**, 292-298 ([paper download](#)).

Chu, P.C., A. Gilles, and C.W. Fan, 2005: Experiment of falling cylinder through the water column. *Experimental and Thermal Fluid Sciences*, **29**, 555-568 ([paper download](#)).