Experimental study on the response of multi-layered protective structure subjected to underwater contact explosions

Jing Zhang , Xing Hua Shi , C. Guedes Soares

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Highlights

- Full-scale underwater contact explosion experiments were carried out on the multi-layered structure for increased charge weights.
- The damages and deformations were recorded.
- The crevasse size, damage type, petalling and role of compartments were discussed.
- Reveal the mechanics of multi-layered structure subjected to underwater contact explosions as a good anti-explosive defense structure.