

BLAST TESTING OF A WHEELED ARMORED CARRIER

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This paper addresses the experimental study of a newly developed multi-role armored wheeled vehicle in a nuclear blast wave environment.

It describes the basic test procedure and the diverse deployed sensors, which measure the blast wave interaction with and the response of the vehicle. Some highlights of the characteristic blast behavior are discussed.

In addition, a numerical analysis was performed in order to simulate the overturn of the vehicle.