## **GOTHIC VALIDATION FOR POOL DYNAMICS**

- Accelerating and decelerating tank of water
- A weight accelerated the tank down a railing which was then abruptly stopped





#### **GOTHIC VALIDATION FOR POOL DYNAMICS**



#### Impact Experiment

- Tank is accelerated along a track and impacts backstop
- High speed cameras used to capture fluid response
- Sensors record acceleration of tank

Khezzar, L., Seibi, A., Goharzadeh, A., "Water Sloshing in Rectangular Tanks-An Experimental Investigation & Numerical Simulation", International Journal of Engineering (IJE), Volume (3) Issue 2



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# **GOTHIC VALIDATION FOR POOL DYNAMICS (CONT.)**



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