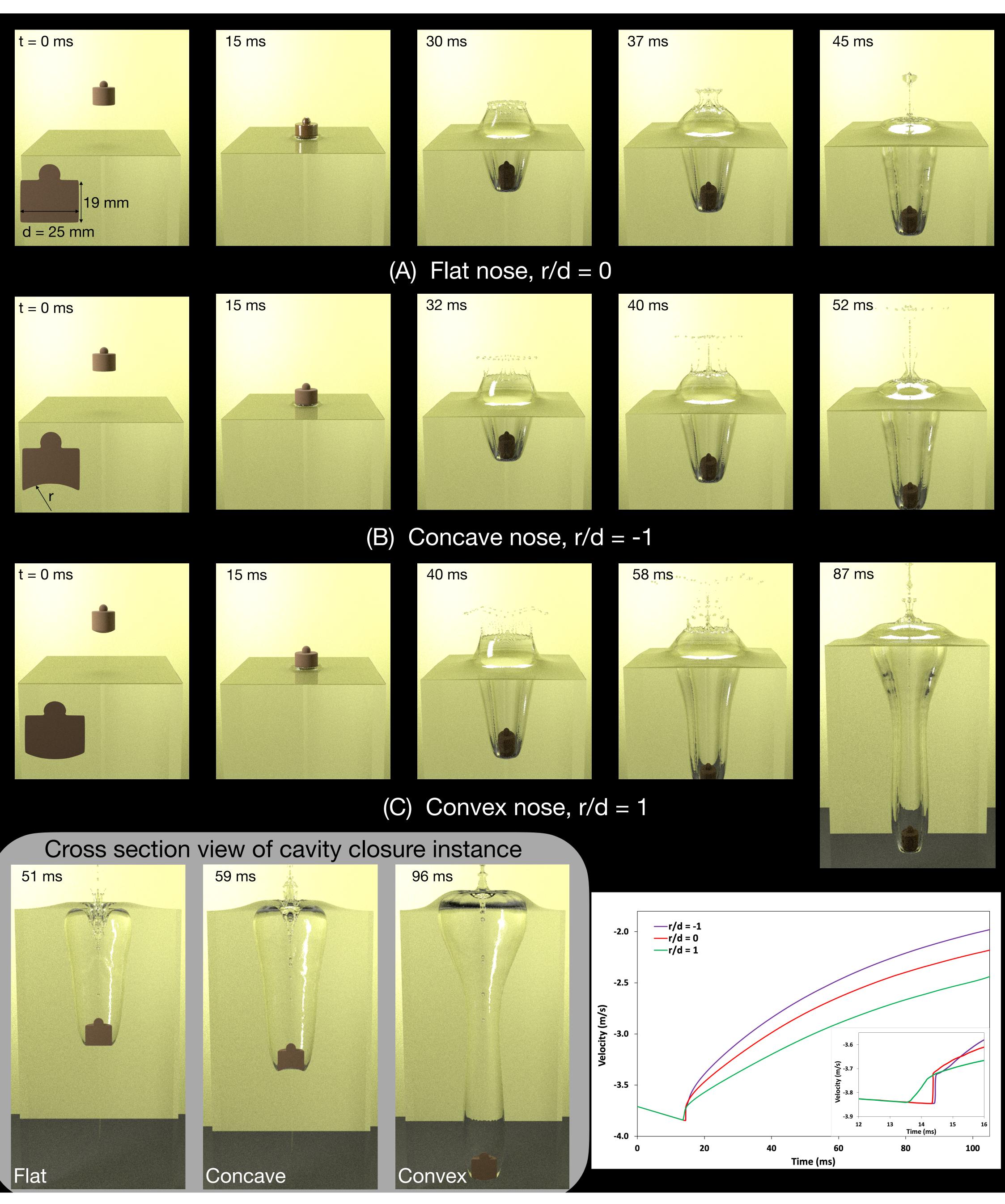
## Computational simulation of water entry of solids - Effect of nose curvature on splashing dynamics and cavity closure

Kartik Gupta<sup>1</sup>, Mehdi Raessi<sup>1\*</sup> and Jesse Belden<sup>2</sup>

1 University of Massachusetts Dartmouth 2 Naval Undersea Warfare Center \*mraessi@umassd.edu



Computational simulation of water entry with solid velocity of V = 3.85 (m/s), corresponding to Weber number  $W = (\rho_{water} V^2 d)/\sigma = 5140$ . Water tank width = 15.4 (cm) and depth = 28.5 (cm).