

Poster 1

Williams, Youngs & Parker

## **3D modelling of cylindrical implosion experiments**

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AWE has been involved in a series of experimental campaigns to study shock-induced mixing in a convergent geometry. We have studied the flows in these simulations using a three-dimensional hydrodynamic code, Turmoil3D. In this paper, we compare these adiabatic results with more physically detailed two-dimensional simulations and the results of turbulence models, as well with experimental results. We also consider geometries which may be of interest for future experimental work.

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