

Abstract Submitted  
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**Ejecta particle breakup modelling** ROBIN WILLIAMS, CHRIS BATHA, Atomic Weapons Establishment — Aerodynamic forces can lead to the breakup of solid or molten ejecta particles moving through gas. This breakup is opposed by the effects of strength and surface tension. We describe the simple model for this process developed by Cowperthwaite, which is based on a single ordinary differential equation for the particle radius, and compare results with the more detailed TAB breakup model developed by O'Rourke and Amsden (1987). © British Crown Owned Copyright 2019/AWE

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