Accepted Manuscript

Application of Shell Jetting Analysis to Determine the Location of the Virtual Origin in Shaped Charges

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PII: S0734-743X(17)30967-3
DOI: 10.1016/j.ijimpeng.2018.04.014
Reference: IE 3136

To appear in: *International Journal of Impact Engineering*

Received date: 7 November 2017
Revised date: 20 April 2018
Accepted date: 29 April 2018

Please cite this article as: H.O. Agu , A. Hameed , G.J. Appleby-Thomas , Application of Shell Jetting Analysis to Determine the Location of the Virtual Origin in Shaped Charges, *International Journal of Impact Engineering* (2018), doi: 10.1016/j.ijimpeng.2018.04.014

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Highlights

- The application of shell jetting analysis for determination of the VO in shaped charges was investigated.
- Ignoring the distance between the charge base and the VO underestimates the depth of penetration.
- The VO position can be reasonably estimated by shaped charge jetting analysis using ANSYS® Autodyn 2D.
- The jet tip velocity remains the same irrespective of the number of nodes or J Max in the shell jetting analysis.

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