

PUBLICATIONS

D.E. Stevens and M.J. Murphy, "A New Multiphase Method for Simulating Energetically Driven Particles", 25th International Symposium on Ballistics, Beijing, China, May, 2010.

M.J. Murphy, "An Improved Reaction Rate Equation for Simulating the Ignition and Growth of Reaction in High Explosives", 14th International Symposium on Detonation, Coeur d'Alene Resort, Idaho, April, 2010

D.B. Reisman, et. al., "The Full Function Test Explosive Generator", Applied Physics Letters, January, 2010

P.A. Pincosy and M.J. Murphy, "Calculated Concrete Target Damage by Multiple Rod Impact and Penetration", 23rd International Symposium on Ballistics, Tarragona, Spain, April, 2007.

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M.J. Murphy, RM. Kuklo, T.A. Rambur, L.L. Switzer, M.A. Summers, "Single and Multiple Jet Penetration Experiments Into Geologic Materials", 21st International Symposium On Ballistics, Adelaide, Australia, April 2004.

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M.J. Murphy, D.W. Baum, D.B. Clark, E.M. McGuire, S.C. Simonson, "Numerical Simulation of Damage and Fracture in Concrete from Shaped Charge Jets", DYMAT 2000, 6th International Conference on Mechanical and Physical Behaviour of Materials Under Dynamic Loading, Krakow, Poland, September 25-29, 2000

D. McDonald, M.J. Murphy, W. Tabor, W. Grantham, "Response Surface Model Development using Radial Basis Functions", 8th AIAA/NASA/USAF/ISSMO Symposium on Multidisciplinary Analysis and Optimization, Long Beach, CA 6-8 September 2000

M. J. Murphy and R. M. Kuklo, "Fundamentals of Shaped Charge Penetration in Concrete", 18th International Symposium On Ballistics, San Antonio, TX, November 1999.

M.J. Murphy, E.L. Baker, Mini Symposium: "Nonlinear Optimization Applied to High Explosive Materials", presented at '99 SIAM Conference on Optimization, Atlanta, GA, May 1999.

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