

List of Publications

G. I. Kerley

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A listing of papers and reports, given in reverse chronological order. Downloadable documents are indicated in blue.

Papers

- [1] N. A. Winfree, L. C. Chhabildas, W. D. Reinhart, D. E. Carroll, and G. I. Kerley, "EOS Data of Ti-6Al-4V to Impact Velocities of 10.4 km/s on a Three-Stage Gun," in *Shock Compression of Condensed Matter—2001* (AIP, NY, 2002), pp 75-78.
- [2] D. E. Carroll, N. A. Winfree, L. C. Chhabildas, W. D. Reinhart, and G. I. Kerley, "Computational Characterization of Three-Stage Gun Flyer Plate Launch," in *Shock Compression of Condensed Matter—2001* (AIP, NY, 2002), pp 307-310.
- [3] N. A. Winfree, D. Grady, G. I. Kerley, L. Chhabildas, and W. Reinhart, "Equation of State Model for Tributyl Phosphate and Its Dissociation Products," Ninth Annual AIAA/BMDO Technology Conference and Exhibit, July 17–20, 2000, San Diego, California.
- [4] D. E. Grady, N. A. Winfree, G. I. Kerley, L. T. Wilson, and L. D. Kuhns, "Computational Modeling and Wave Propagation in Media with Inelastic Deforming Microstructure," *J. Phys. IV France* **10**, Pr9-15 (2000). *Note: My name was included on this paper without my approval; I do not agree with all of the ideas and statements in it.*
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- [6] K.-Y. Lee, J. E. Kennedy, L. G. Hill, T. Spontarelli, J. R. Stine, and G. I. Kerley, "Synthesis, Detonation Spreading, and Reaction Rate Modeling of Fine TATB," in *Eleventh Symposium on Detonation* (ONR 33300-5, 1999), pp. 362–370.
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- [10] L. C. Chhabildas, L. M. Barker, J. M. Asay, T. G. Trucano, G. I. Kerley, and J. E. Dunn, "Launch Capabilities to Over 10 km/s," in *Shock Waves in Condensed Matter—1991* (North Holland, Amsterdam, 1992), pp 1025-1031.
- [11] G. I. Kerley, "Equations of State and Gas-Gas Separation in Soft-Sphere Mixtures," *J. Chem. Phys.* **91**, 1204-1210 (1989).
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- [14] G. I. Kerley, "Theory of Calcite Equation of State," in *Shock Waves in Condensed Matter—1989* (Elsevier, B.V., 1990), pp 613-616.
- [15] G. I. Kerley and J. L. Wise, "Shock-Induced Vaporization of Porous Aluminum," in *Shock Waves in Condensed Matter - 1987* (Elsevier, B.V., 1988) pp 155-158.
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- [22] G. I. Kerley, "Theoretical Equations of State for the Detonation Properties of Explosives," in *Eighth Symposium on Detonation* (NSWC, White Oak, MD., 1986) pp 540-547.
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