

Defense Systems

DIGEST

11 AUGUST 2020 – THE LATEST FROM DEFENSE SYSTEMS INFORMATION ANALYSIS CENTER

Warheads (and thus fragment distributions) are assumed to be axially symmetric.

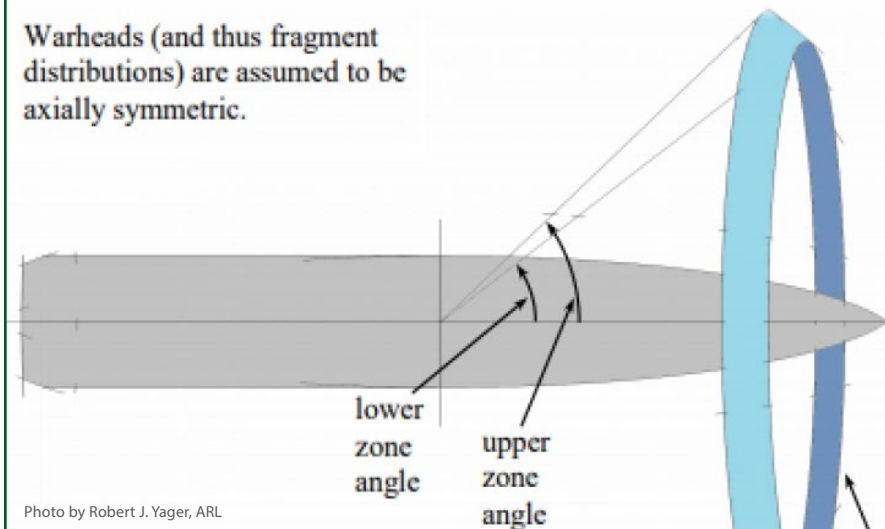


Photo by Robert J. Yager, ARL

NOTABLE TECHNICAL INQUIRY

Where can U.S. Army munitions fragmentation data (z-data) be found and how can it be acquired?

DSIAC was asked how fragmentation data, or z-data, can be acquired for various U.S. Army munitions (cannon artillery and mortar). DSIAC used its subject matter expert network to find the controlling office and connect the inquirer to the proper contact at the U.S. Army Combat Capabilities Development Command (CCDC) Data and Analysis Center (DAC) and... [Read More](#)

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FEATURED NEWS



Photo by Lisa Ferdinando, DoD

Hypersonics, Counter-Hypersonics Are a Top Priority

Hypersonics and counter-hypersonics remain one of the Defense Department's highest technical modernization priorities, Ellen M. Lord, Under Secretary of Defense for Acquisition and Sustainment, said.

"We are continuing on an accelerated path to develop and field land-, sea-, and air-launched hypersonic weapons, as well as developing options for defense against adversary hypersonic missile capabilities so as to ensure our continued ability to dominate the battlefield for decades to come," Lord said this week at the Institute for Defense and Government Advancement's Defense Logistics Summit.

VOICE FROM THE COMMUNITY



Adam M. Jacob, *Mechanical Engineer, Small-Caliber Armaments Division, ARDEC*

I have worked in small arms research and development, with over 15 years experience, including manufacturing oversight, modeling and simulation, research and development, design, and analysis of various small arms weapon systems and subsystems, project management, and science and technology management. I have authored numerous technical papers and hold numerous U.S. patents, both granted and pending, in small-caliber weapon systems. I hold a B.S. in mechanical engineering from Bucknell University and an M.S. in business administration from the Florida Institute of Technology.

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HIGHLIGHT



Photo source: ARL

2019 ARO in Review

This report presents an overview of the programs, investment strategies, and accomplishments of the Army Research Office (ARO) for fiscal year 2019.

DSIAC JOURNAL SPRING 2020



Photo source: U.S. Air Force

The Importance of Early Prototyping in Defense Research, Engineering, Acquisition, and Sustainment

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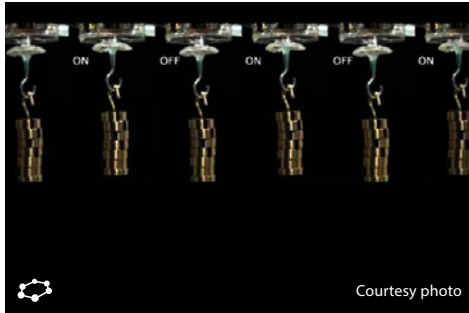


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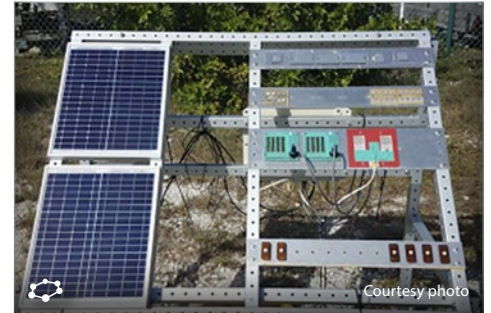
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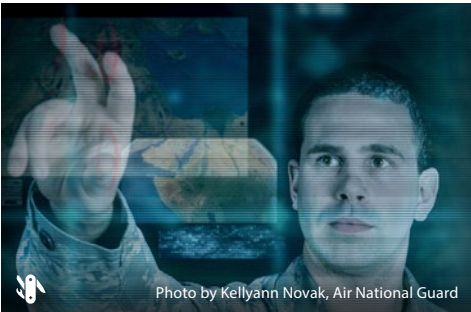
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AFRL, Republic of Singapore Air Force Collaborate on Coating Systems



Mitigating Vulnerability



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