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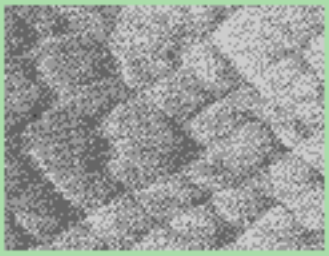

Detonation Database

Accessing the Data | Summary Graphs | Data Sets | References | Database Search

Abstract

Welcome to the GALCIT Explosion Dynamics Laboratory Detonation Database. The goal of this project is to compile, catalog and present experimental data on gaseous detonations. These data currently include cell width, critical tube diameter, initiation energy, and minimum tube diameter. They are formatted in tables and summary graphs, with citations to the original references. A printed version and a World Wide Web version have been prepared. The purpose of this database is to facilitate explosion hazards evaluations and comparisons with numerical simulations of detonation behavior.

Introduction to the Detonation Database project.

Contributors. Authors of the database.

Disclaimer. We're not perfect.

Citations. Using the data in publications.

How to Access the Data. Some useful information and tips.

How the Database Works. For those who are interested.

The Database. Links to the different branches.

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