## COMPARISON OF CALIBRATION METHODS FOR JWL PARAMETERS FROM CYLINDER TESTS

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## ABSTRACT

Jones-Wilkins-Lee (JWL) Equation of State is commonly used to describe the expansion of highly compressed detonation gas for explosives in numerical simulation. The JWL parameters of an explosive can be derived from various calibration methods using standard cylinder expansion tests. This paper describes three different methods found in literature, and through a case study, compares the JWL parameters derived from these three methods based on data from a PBX-9404 cylinder test.