The Response of a Heavy Tungsten Alloy During Shock Loading

T.D. ANDREWS, QinetiQ, Ively Road, Farnborough, Hampshire, GU14 0LX, UK, D.D. RADFORD¹, K. TSEM BELIS, PCS, Cavendish Laboratory, Madingley Road, Cambridge, CB3 0HE, UK — Plate impact experiments have been performed to assess the behaviour of a heavy proprietary Tungsten alloy in the longitudinal orientation by means of manganin gauges. The Hugoniot curve is compared and contrasted against published data on pure Tungsten and a number of Tungsten alloys.

¹Now at Department of Engineering, University of Cambridge, Trumpington Street, Cambridge, CB2 1PZ, UK