

Abstract Submitted
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Hugoniot of Geological Materials and relationships to static properties A.R. GUEST, De Beers Group Services, C.H. BRAITHWAITE, W.G. PROUD, J.E. FIELD, Cavendish Laboratory, Cambridge University — The Hugoniot for a suite of rocks have been found through investigations carried out using a plate impact facility. These Hugoniot form the database for a numerical model used in the mining industry. It is of use to have a means of linking the quasi-static to the dynamic rock strength. Therefore, a series of comparisons have been made between the Hugoniot data and a variety of static tests. A characterisation method is suggested.

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