

Fig. 2.8.--Stress-Volume States Resulting From Shock Compression of Y-cut Quartz. Solid curve is Bridgman's Hydrostatic Data.

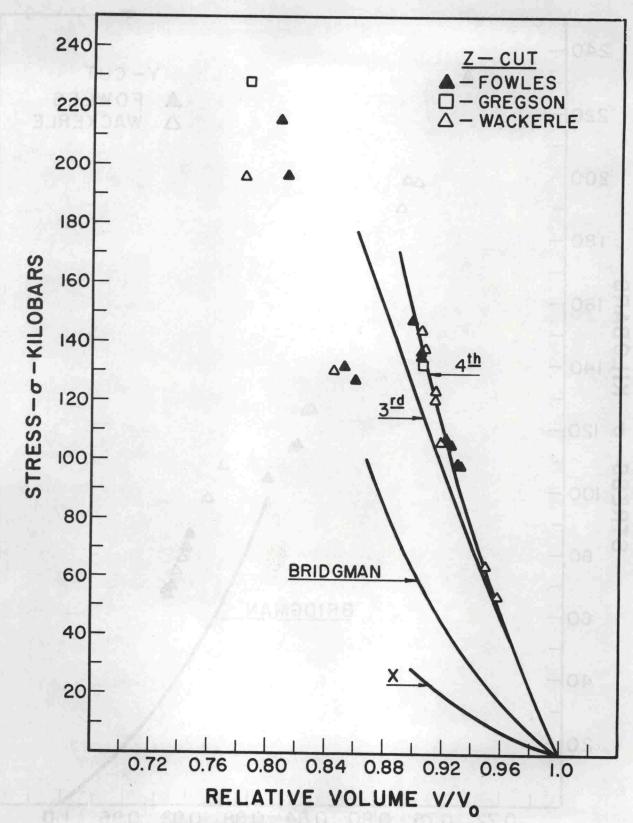


Fig. 2.9.--Stress-Volume States Resulting From Shock Compression of Z-cut Quartz. Solid curve is Bridgman's Hydrostatic Data. Curves labelled 3rd, 4th, are fits based on zero-pressure elastic constants to 3rd and 4th order. The curve labelled X represents the tangential stresses, calculated from constants up to and including 3rd order.