

Fig. 2. Pressure coefficient of P and S wave velocities and pressure derivative of Poisson's ratio as a function of (Fe/Mg) ratio in olivine.

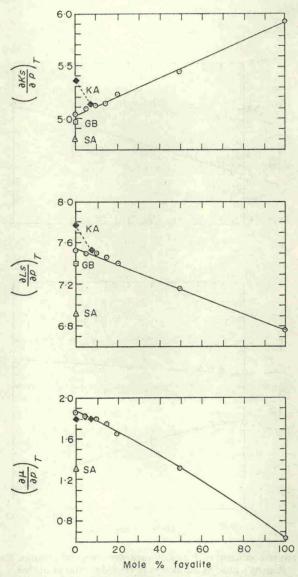


Fig. 3. Pressure derivatives of compressional modulus L_s , shear modulus μ , and the adiabatic bulk modulus K_s of olivine as a function of (Fe/Mg) ratio; comparison with literature data. (\triangle) indicates the datum of Schreiber & Anderson (SA, 1967), (\square) indicates the datum of Graham & Barsch (GB, 1969), and (\spadesuit) indicates the data points of Kumasawa & Anderson (KA, 1969); (\bigcirc) are the present work.