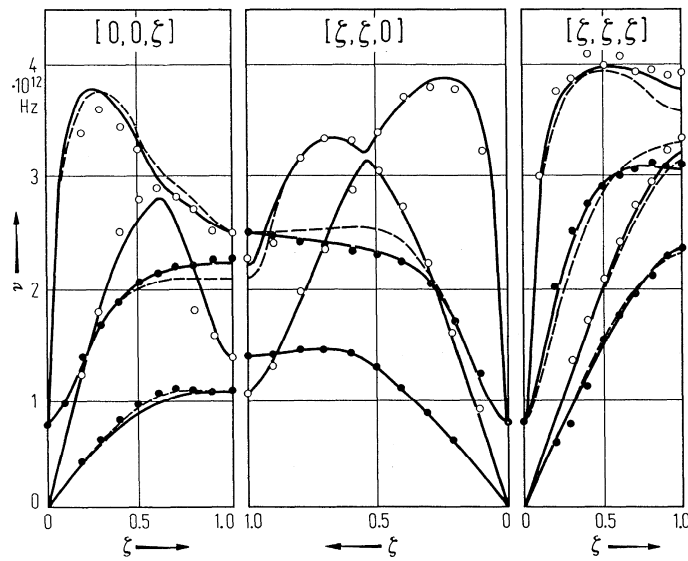
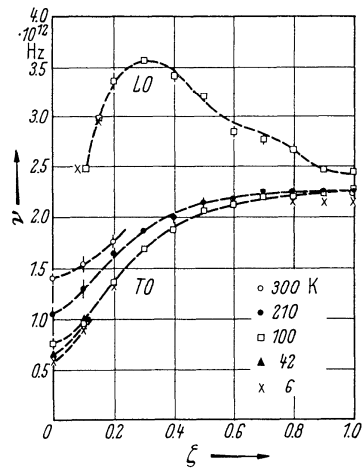


**Fig. M15-ii-001.** SnTe.  $\omega^2(\text{TO})$  vs.  $T$  for specimens with different hole concentrations [77Sug1]. Parameter: concentration of holes.  $\omega(\text{TO})$ : frequency of TO-phonon observed by Raman scattering. The arrows show the temperature of resistivity anomaly.



**Fig. M15-ii-002.** SnTe.  $\nu$  vs.  $\zeta$  at 100 K [69Cow].  $\nu$ : phonon frequency.  $\zeta$ : reduced wave vector coordinates. Solid and broken lines are theoretical results based on two different models.



**Fig. M15-ii-003.** SnTe.  $\nu$  vs.  $\zeta$  at various temperatures [66Paw].  $\nu$ : phonon frequency.  $\zeta$ : reduced wave vector coordinates, wave vector  $\mathbf{q} \parallel [001]$  ( $\zeta = a\mathbf{q}/2\pi$ ).