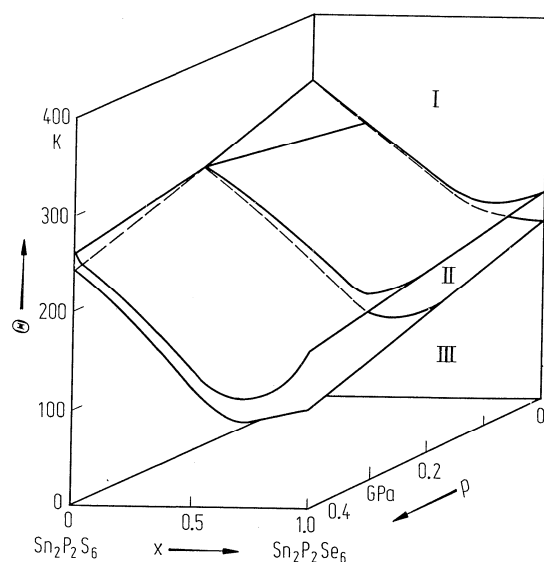
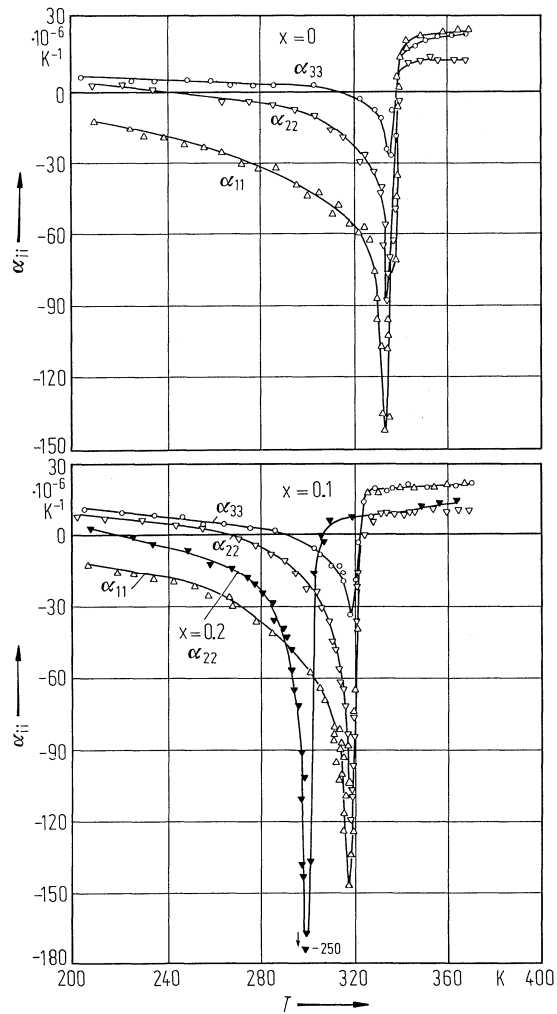


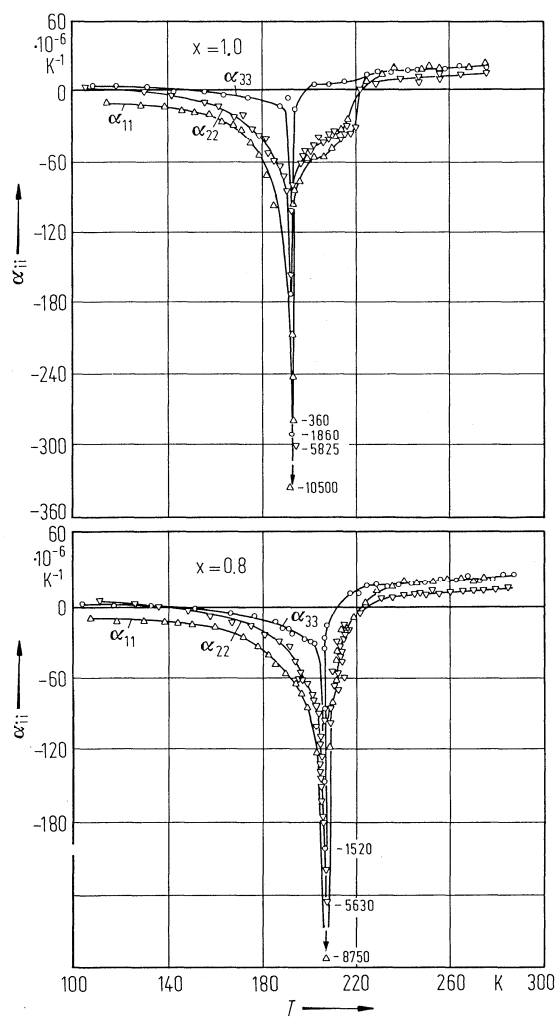
**Fig. 24B-3-001.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$ .  $\Theta$ - $x$  phase diagram [93Bar].



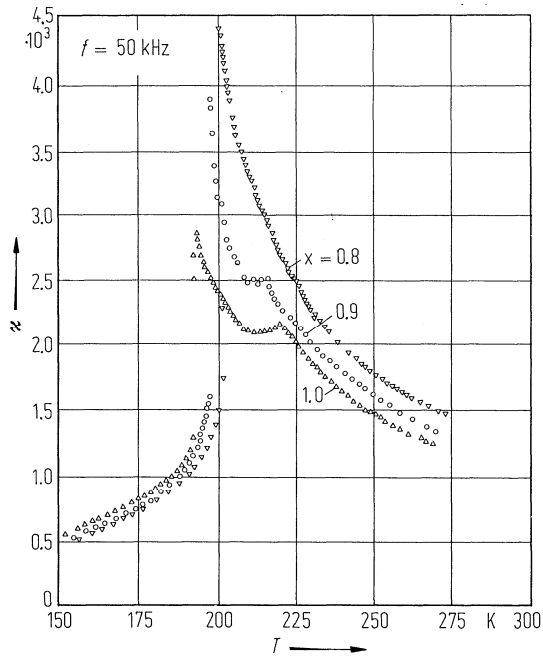
**Fig. 24B-3-002.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$ .  $\Theta$ - $x$ - $p$  phase diagram [86Sli].



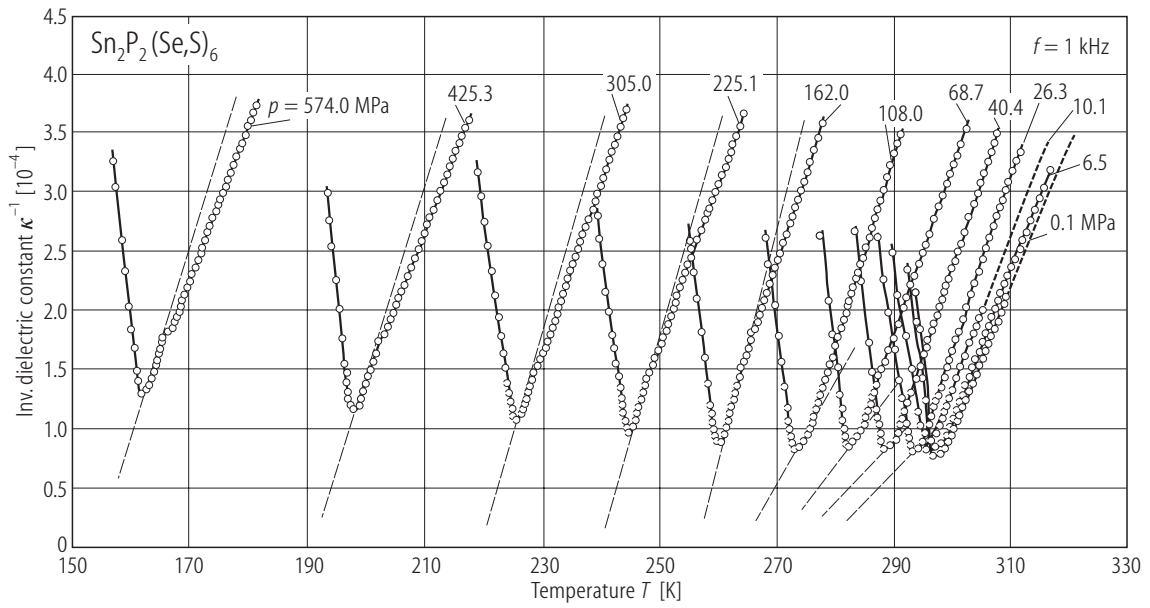
**Fig. 24B-3-003.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0, 0.1, 0.2$ ).  $\alpha_{ii}$  vs.  $T$  [83Mai].  $\alpha_{11}$ ,  $\alpha_{22}$ ,  $\alpha_{33}$ : linear thermal expansion coefficients along the  $a$ ,  $b$  and  $c$  axes. Parameter:  $x$ .



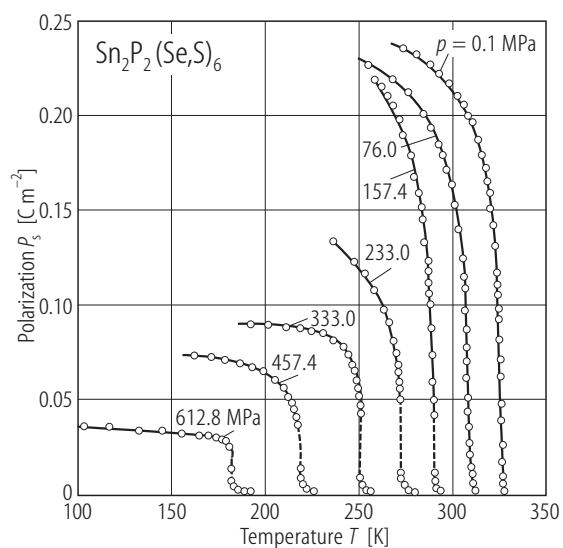
**Fig. 24B-3-004.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0.8, 1.0$ ).  $\alpha_{ii}$  vs.  $T$  [83Mai].  $\alpha_{11}$ ,  $\alpha_{22}$ ,  $\alpha_{33}$ : linear thermal expansion coefficients along the  $a$ ,  $b$  and  $c$  axes. Parameter:  $x$ .



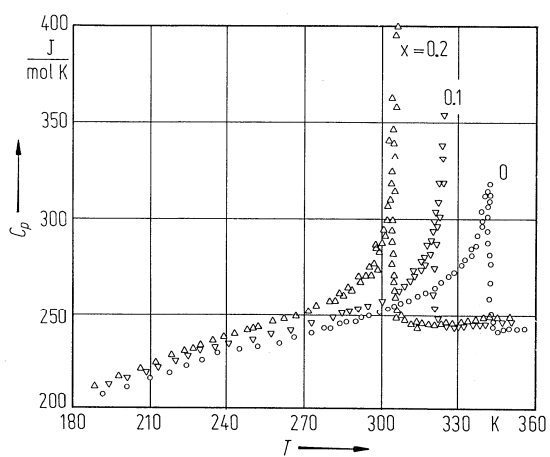
**Fig. 24B-3-005.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0.8, 0.9, 1.0$ ).  $\kappa$  vs.  $T$  [85Vyo]. Parameter:  $x$ .



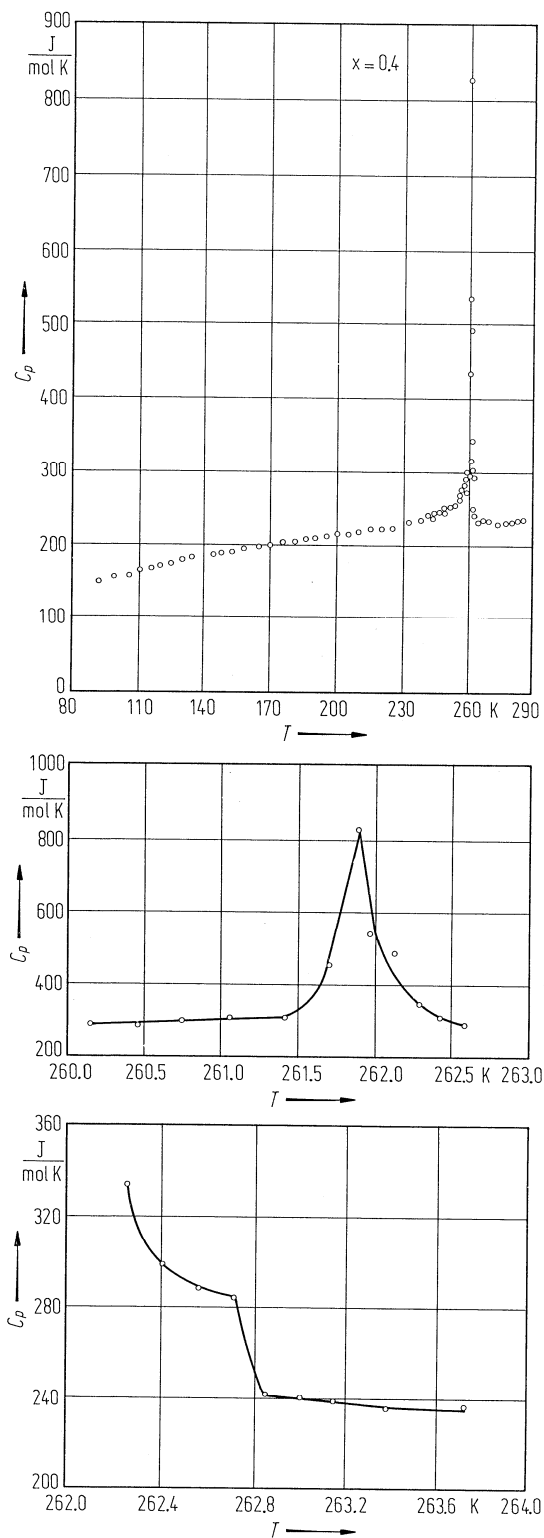
**Fig. 24B-3-006.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0.20$ ).  $1/\kappa$  vs.  $T$  [90Sli]. Parameter:  $p$ .



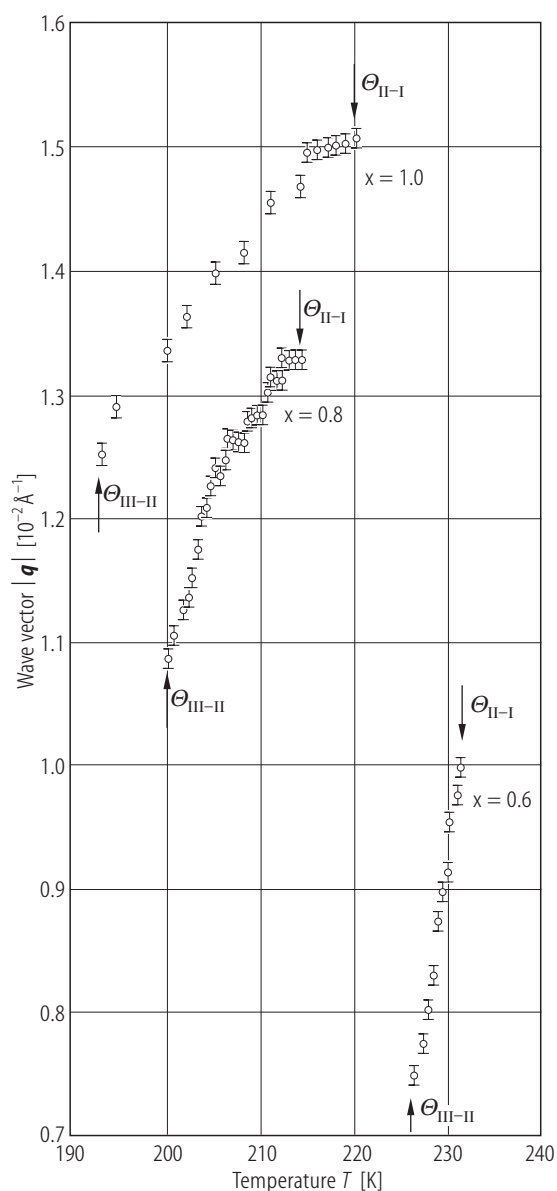
**Fig. 24B-3-007.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0.04$ ).  $P_s$  vs.  $T$  [90Sli]. Parameter:  $p$ . Obtained from pyroelectric measurement.



**Fig. 24B-3-008.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0, 0.1, 0.2$ ).  $C_p$  vs.  $T$  [83Mai].  $C_p$ : molar heat capacity at constant pressure.



**Fig. 24B-3-009.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0.4$ ).  $C_p$  vs.  $T$  [83Mai].  $C_p$ : molar heat capacity at constant pressure.



**Fig. 24B-3-010.**  $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$  ( $x = 0.6, 0.8, 1.0$ ).  $|q|$  vs.  $T$  [93Bar].  $q$ : incommensurate modulation wavevector. The direction of  $q$  is the same for all samples, and independent of temperature, making an angle of  $9^\circ$  with  $[100]$ .