

(1) RS.exe: Calculation of Peltier conductivity ( $S\sigma$ ) and power factor ( $S^2\sigma$ ).

Input file RS.csv

$T, \rho$

one space line

$T, S$

one space line

(2) tep.exe: Calculation of thermoelectric power  $S$  from the band structure.

Input file is the same as tep.dat but after Line 13, copy the observed  $\rho$  and  $S$  values from the output of RS.out.

Input example is tep.dat.

tep5X1.exe: 1D band

tep5.exe: 2D band

tep6.exe: 3D band