Kittel TP. 3-8. Particle in a box = T= tile $k = \begin{pmatrix} h_x \pi & h_y \pi & h_{\overline{z}} \pi \\ 1 & L & L \end{pmatrix}$, as 7 (x) of sm (nx 1 x) sm (ny 1 4) sm (nz 1 2). for satisfaction of the boundary condition and Schrodinger eq. $=\frac{h^2(\pi)^2(h)^2}{2m(L^2)}$, $=\frac{h^2\pi}{2m(L^2)}$ With $n = L^{-3}$, $T_{GND} = \frac{\hbar^2 T_1^2}{2m} n^{2/3}$. Impose. the TT 12/3 = 7. N#2/3 = 2m 7 h# = = 3/2. Davidson Cheny. 117-2024.

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