$n\_at = \boxed{6E022}$ $= (rho0 = \boxed{0}$ [g/cm3]) /m_at = rho0 * (NAv/ (MatNo = $\boxed{0}$))

$EF = hbar^2 / (2m\_e) * (3pi^2/m\_at * (Z = \boxed{0}) * rho)^{2/3}$ [kJ], $TF = EF/kB = \boxed{0}$, [K],

$c\_cl = (3/2) * kB * Z / m\_at$, [kJ/g/K]

$Pe = (c0P = \boxed{8991,1302381}) * x * t^2 * (t^2 - (a1P = \boxed{6,979336759481!}) * t + (a0P = \boxed{40,19966255395!})) /$
$(t^3 + (b2P = \boxed{0,0010140561031}) * t^2 + (bP1 = \boxed{3431,19624803}) * t + (b0P = \boxed{2984,834021016!}))$, [GPa]

$x = rho/rho0, t = Te*(6/8)*kBeV,$

$Ee = (c0E = \boxed{85340,41225!}) * t^2 * (t^2 - (a1E = \boxed{6,8289378514021}) * t + (a0E = \boxed{20,94007809569})) /$
$(t^3 + (b2E = \boxed{0,2743821807}) * t^2 + (b1E = \boxed{0,72818332202}) * t + (b0E = \boxed{35303,196101})) / rho,$ [kJ/g]

$ce = (c0c = \boxed{18,5784562006}) * t * (t^2 - (a1c = \boxed{5,124947000669!}) * t + (a0c = \boxed{10,47593736909})) /$
$(t^3 + (b2c = \boxed{0,01278138505}) * t^2 + (b1c = \boxed{0,0387178985}) * t + (b0c = \boxed{29744,0966668}))/rho,$ [kJ/K/g]

$kappa = 1E-5/(keem + 1/ksei),$ [kW/K/cm]

$keem = 1e-3/xk * t * ((a0 = \boxed{25,1230525887734}) + (a1 = \boxed{0,252485152877546}) * t)/$
$(1 + (b1 = \boxed{0,4017279305248!}) * t + (b2 = \boxed{1,78775537384309}) * t^2 + (b3 = \boxed{0,372523886089868}) * t^3)$

$xk = rho/(rho0k = \boxed{12,49067026!}),$ $xtr = rho0/rho0K,$

$trt = (Trt0 = \boxed{293} K) * (6/8) * kBeV / xrt^{2/3},$ $tk = Te * (6/8) * kBeV/xk^{2/3},$

$ksei = (krt = \boxed{117}) * (xk/xrt) * (y(xk)/y(xrt)) * (Trt/Ti) * (cv(t)/cv(trt)),$

$y(x) = (1+cab) * x^{2*a+1} /(1+ cab^{a+1}),$

$cab = ((a = \boxed{1,656903673434437}) - (b = \boxed{1,173639960433802}))/(b-1),$

$cv(t) = t * (1+(am2 = \boxed{0,270468245375604}) * t^2)/(1+(am = \boxed{0,199163791501142}) * t^{bm}),$

$bm = \boxed{1,93714154865488}$

$kappa\_i = (ki = \boxed{0})/Ti * ((b\_r = \boxed{0}) * (rho/rho0)^{2/3} + Ti/Tat^{7/2}),$ [kW/K/cm], Tat=351656K

$alpha = (al0 = \boxed{1,8E010}) - (al1 = \boxed{1,25E010}) * Te/((Tal = \boxed{5E004} K) + Te) * x^{5/2},$ [kW/K/cm^3]

Materials
○ Al ○ Au ○ Ni ○ LiF ○ Fe ○ Ta ○ NAu ○ Au1 ○ Ag1 ○ Ru ○ Mo

✓ OK   ✗ NoConduct   🚫 No   🖨 Print   ✗ Cancel