Below is a table of parameters used in the calculations of the density-of-states (DOS). These DOS data sets are subsequently used for evaluation of the electron temperature dependence of the chemical potential, electron heat capacity, and electron-phonon coupling factor. The results are reported in [*Phys. Rev. B* **77**, 075133, 2008] (PRB08) and posted at this website: http://www.faculty.virginia.edu/CompMat/electron-phonon-coupling/ (Website).

By request from several research groups, the original calculations reported in PRB08 for electron temperatures up to 20,000 K have been extended up to 50,000 K. The ranges of energy levels in DOSs had to be extended as well to account for broader energy distributions of the thermally excited electrons. The data posted at the Website is for these extended calculations.

The parameters listed in the table are as follows: E_DOS is the range of energy levels in DOS considered in the calculation of the temperature dependences; ΔE is the energy spacing between the DOS data points; N is the corresponding number of data points in the DOS data sets used in the calculations.

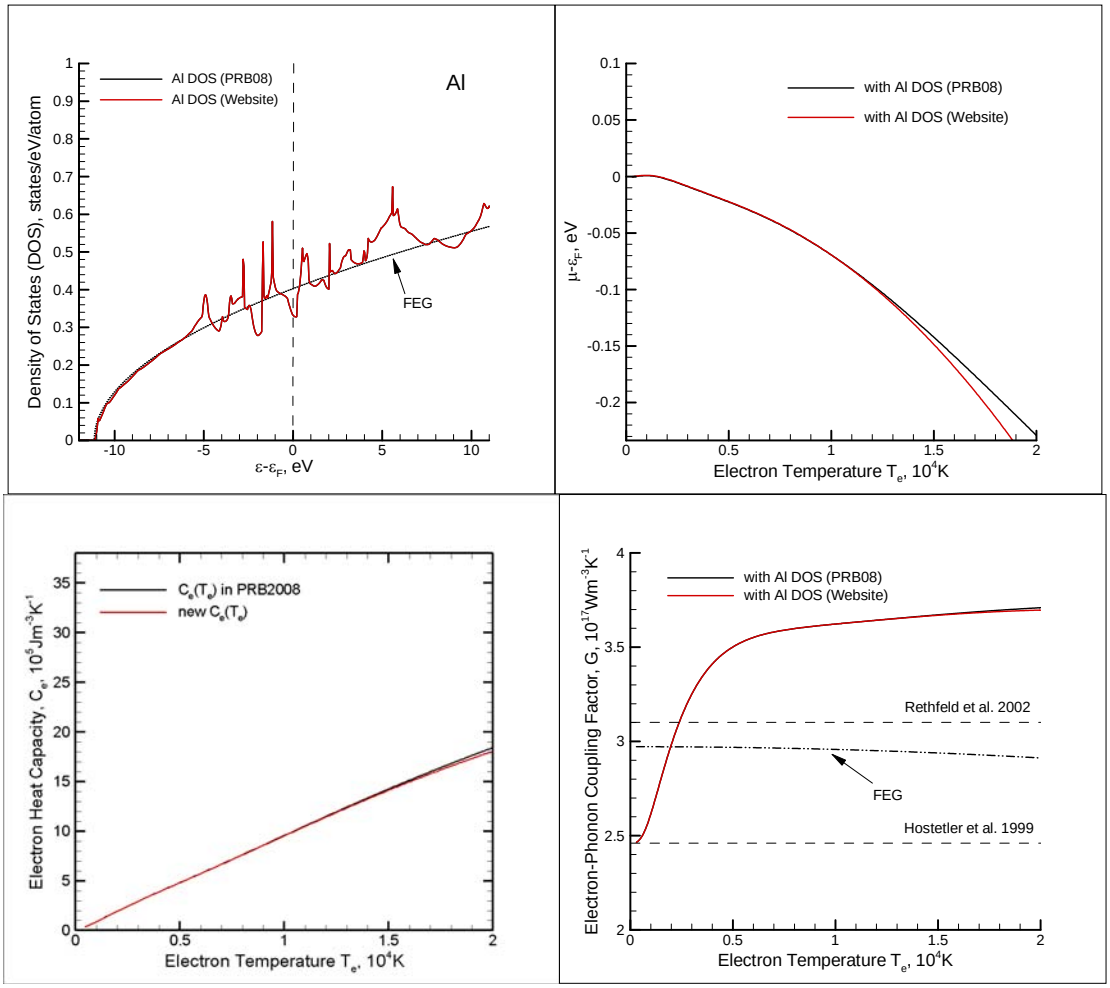
	Al	Au	Ag	Cu	Ni	Pt	W	Ti
N (PRB08)	500	500	625	625	500	500	500	500
N (Website)	1000	4000	4000	4000	4000	4000	4000	1000
ΔE, eV (PRB08)	0.04	0.04	0.04	0.04	0.04	0.06	0.04	0.04
ΔE, eV (Website)	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.03
E_DOS, eV (PRB08)	(-13, 7)	(-10,10)	(-13,12)	(-14,11)	(-9,11)	(-13,17)	(-10,10)	(-8,12)
E_DOS, eV (Website)	(-13,27)	(-20,20)	(-13,27)	(-14,26)	(-19,21)	(-18,22)	(-18,22)	(-8,22)

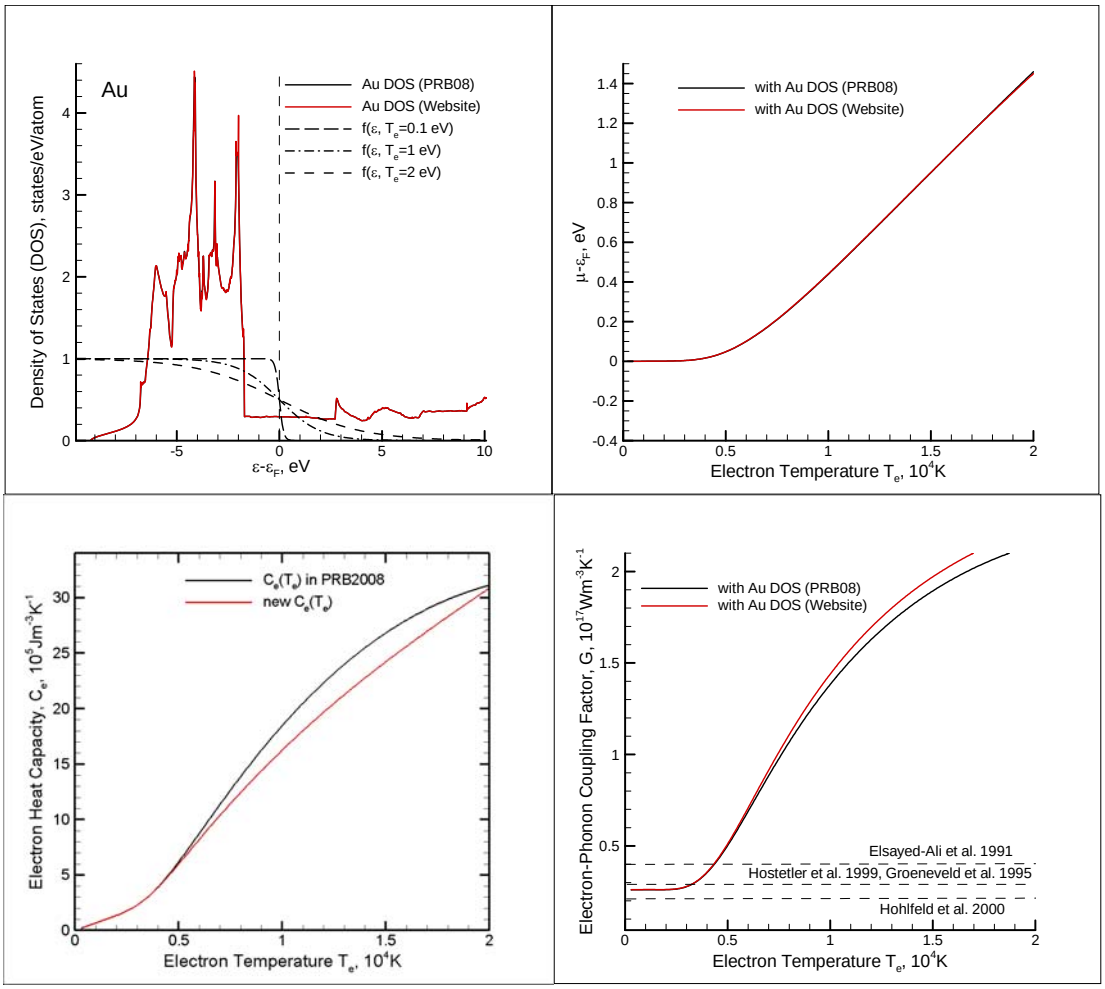
	Mo	Fe(bcc)	Fe(fcc)
N (PRB08)	n/a	n/a	n/a
N (Website)	4000	1000	1000
ΔE, eV (PRB08)	n/a	n/a	n/a
ΔE, eV (Website)	0.01	0.04	0.04
E_DOS, eV (PRB08)	n/a	n/a	n/a
E_DOS, eV (Website)	(-17,23)	(-17,23)	(-16,24)

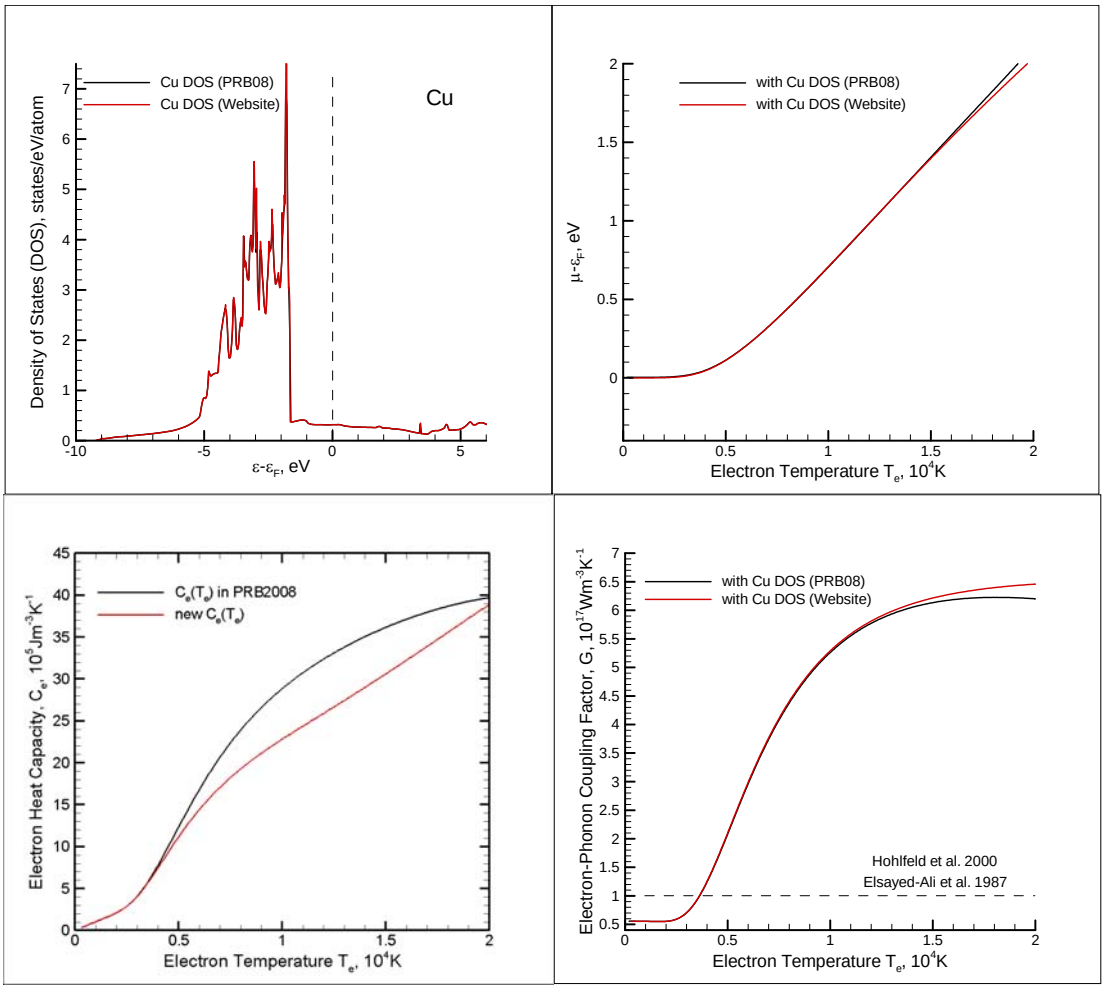
The extended range of energies and higher resolutions of the electron densities-of-states used in the new calculations (data posted on the Website) slightly modifies the temperature dependences of the thermophysical parameters compared to the results reported in PRB08.

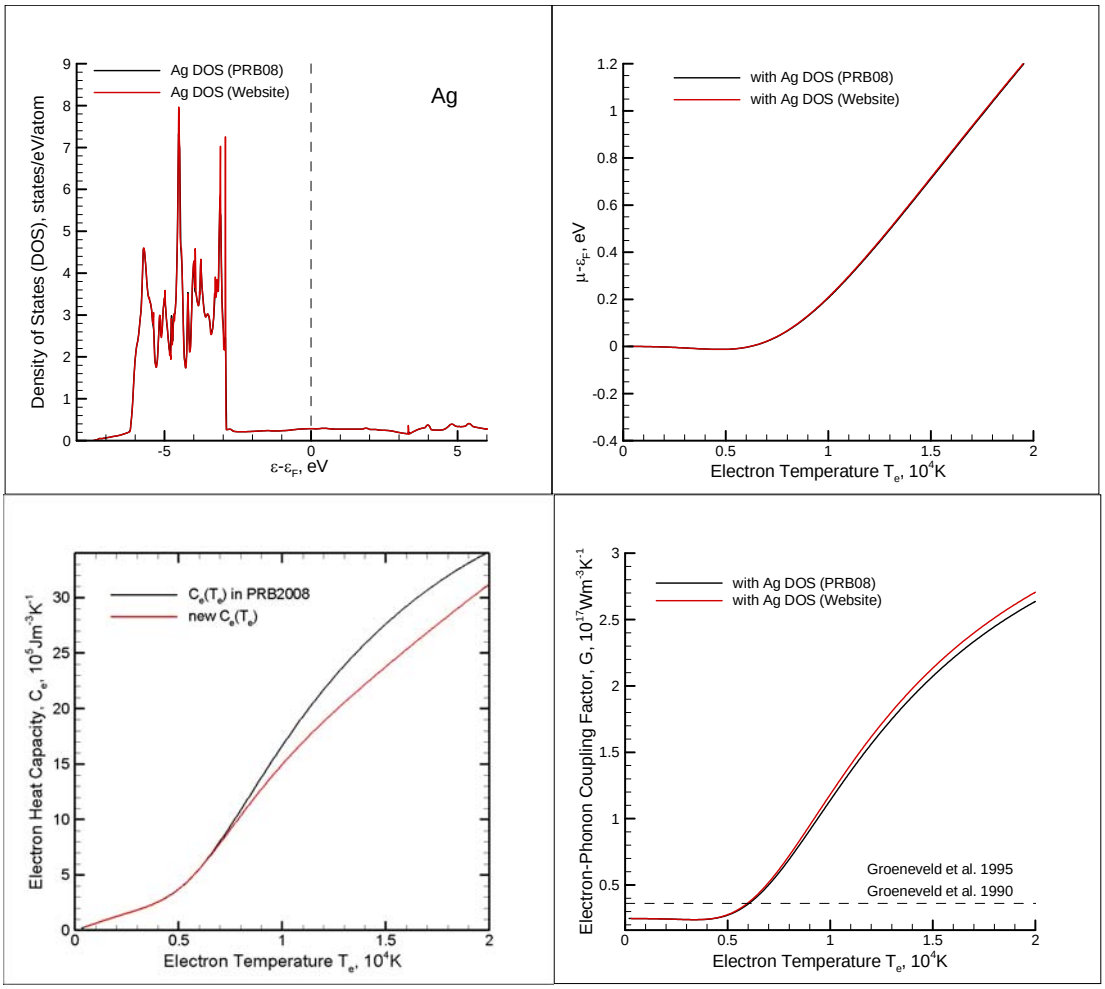
There have also been some inaccuracies in the data files for C_e that were initially posted on the web site. These inaccuracies were identified with the help of Nail' A. Inogamov (Landau Inst., Russia) and the files for C_e were updated in April of 2012.

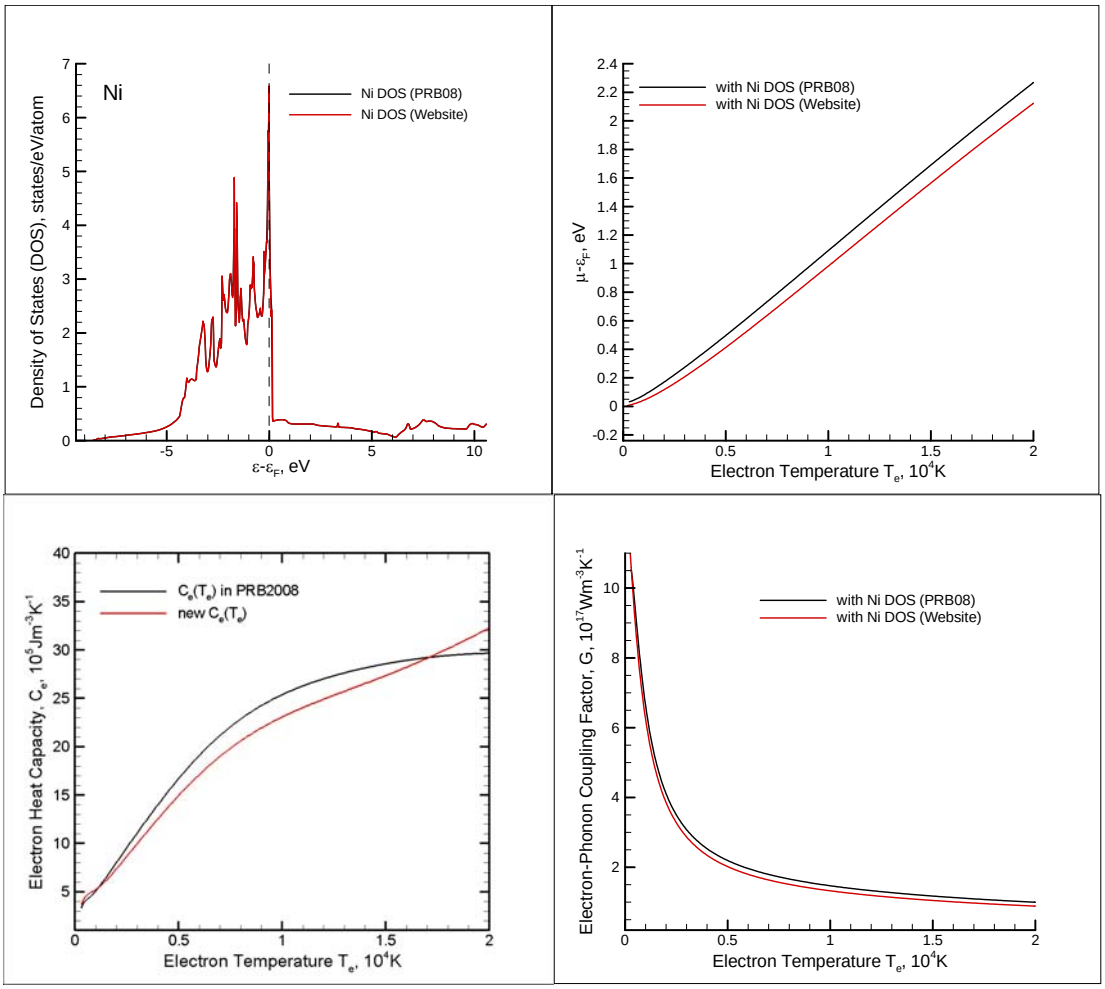
The data sets posted on the web and reported inPRB'08 are compared in the figures below for T_e < 20,000 K. If you need data sets from PRB'08, please contact us and we will send them to you.

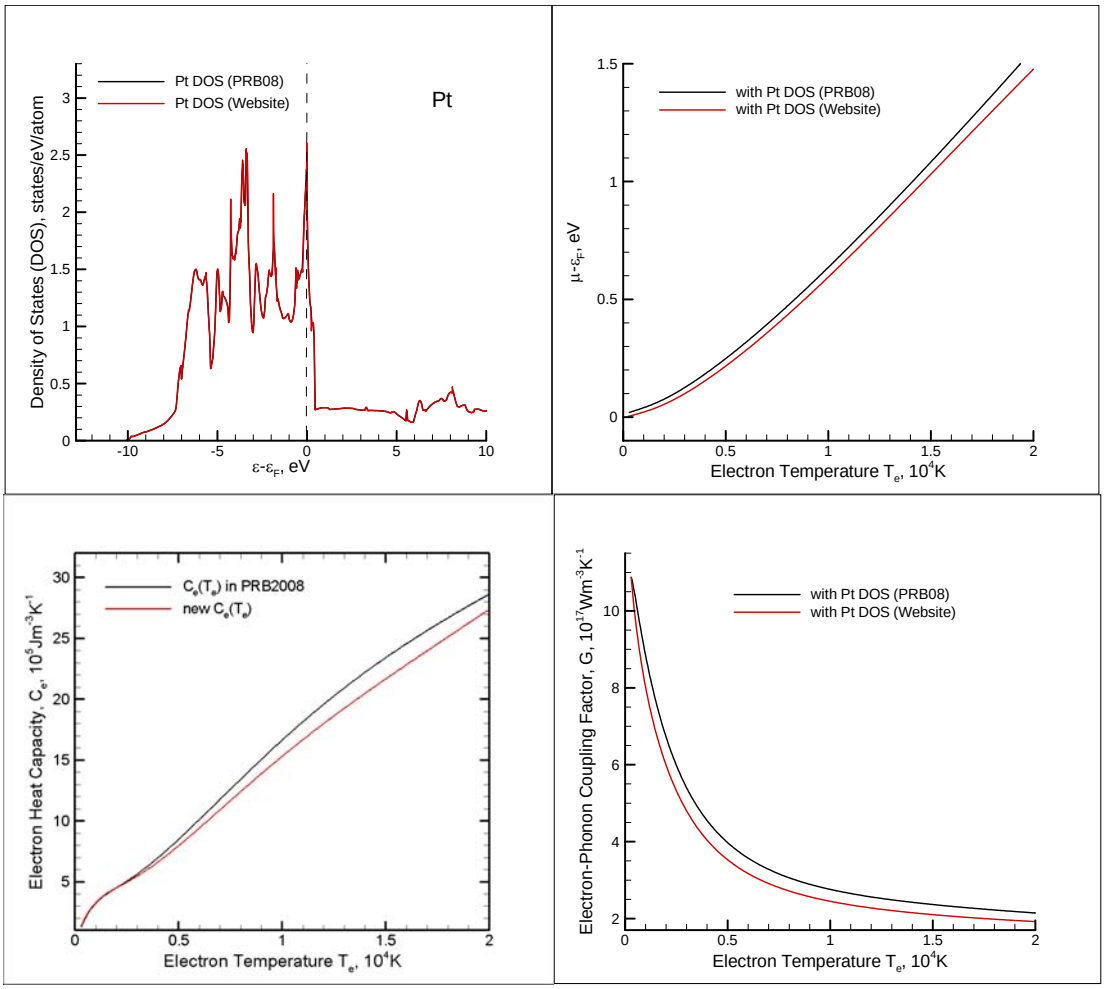


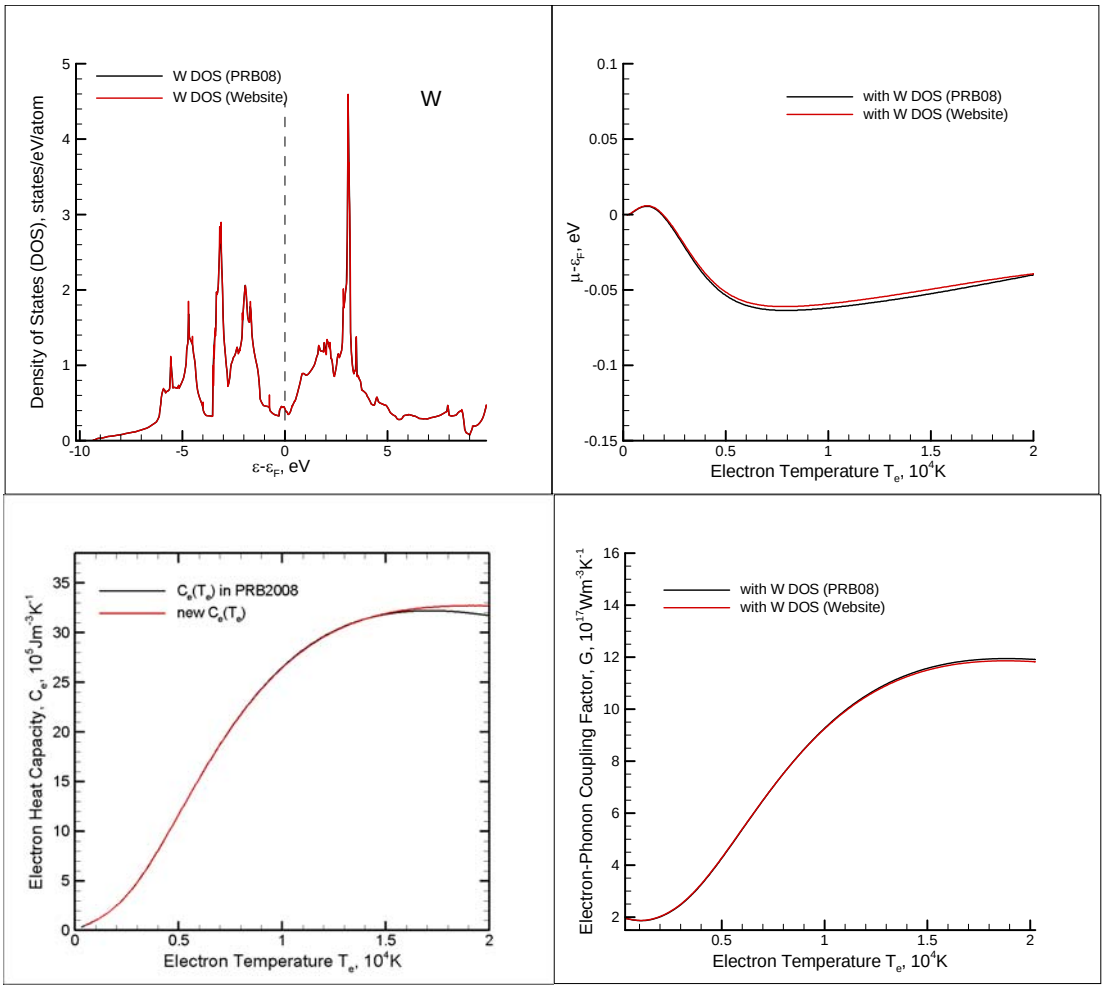

Au
Au DOS (PRB08)
Au DOS (Website)
f(ε, T_e=0.1 eV)
f(ε, T_e=1 eV)
f(ε, T_e=2 eV)
Density of States (DOS), states/eV/atom
ε-ε_F, eV
with Au DOS (PRB08)
with Au DOS (Website)
μ-ε_F, eV
Electron Temperature T_e, 10^4K
C_e(T_e) in PRB2008
new C_e(T_e)
Electron Heat Capacity, C_e, 10^5Jm^-3K^-1
Electron Temperature T_e, 10^4K
with Au DOS (PRB08)
with Au DOS (Website)
Elsayed-Ali et al. 1991
Hostetler et al. 1999, Groeneveld et al. 1995
Hohlfeld et al. 2000
Electron-Phonon Coupling Factor, G, 10^17Wm^-3K^-1
Electron Temperature T_e, 10^4K

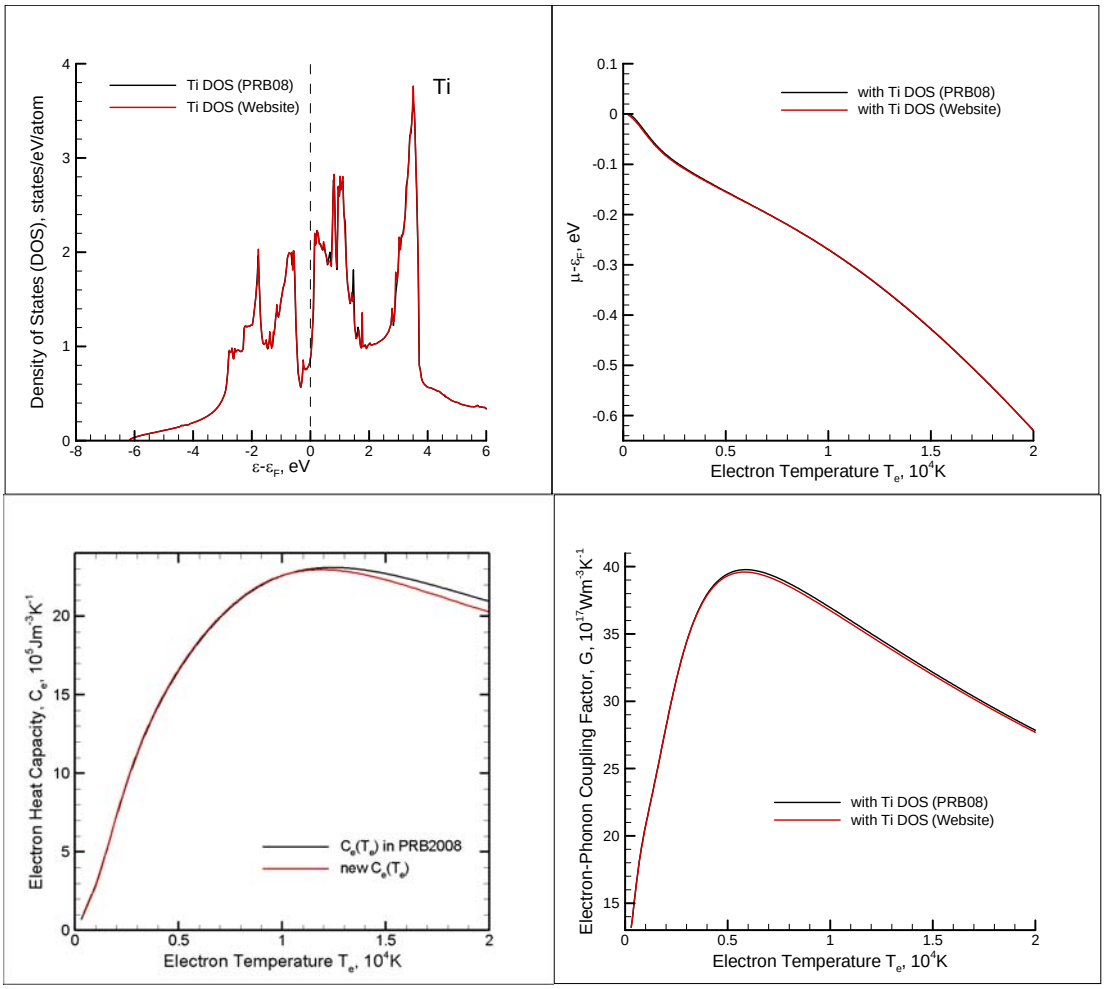

Cu DOS (PRB08)
Cu DOS (Website)
Cu
Density of States (DOS), states/eV/atom
ε-ε_F, eV
with Cu DOS (PRB08)
with Cu DOS (Website)
μ-ε_F, eV
Electron Temperature T_e, 10^4K
C_e(T_e) in PRB2008
new C_e(T_e)
Electron Heat Capacity, C_e, 10^5Jm^-3K^-1
Electron Temperature T_e, 10^4K
with Cu DOS (PRB08)
with Cu DOS (Website)
Hohlfeld et al. 2000
Elsayed-Ali et al. 1987
Electron-Phonon Coupling Factor, G, 10^17Wm^-3K^-1
Electron Temperature T_e, 10^4K


Ag DOS (PRB08)
Ag DOS (Website)
Ag
Density of States (DOS), states/eV/atom
ε-ε_F, eV
with Ag DOS (PRB08)
with Ag DOS (Website)
μ-ε_F, eV
Electron Temperature T_e, 10^4K
C_e(T_e) in PRB2008
new C_e(T_e)
Electron Heat Capacity, C_e, 10^5Jm^-3K^-1
Electron Temperature T_e, 10^4K
with Ag DOS (PRB08)
with Ag DOS (Website)
Groeneveld et al. 1995
Groeneveld et al. 1990
Electron-Phonon Coupling Factor, G, 10^17Wm^-3K^-1
Electron Temperature T_e, 10^4K


Ni
Ni DOS (PRB08)
Ni DOS (Website)
Density of States (DOS), states/eV/atom
ε-ε_F, eV
with Ni DOS (PRB08)
with Ni DOS (Website)
μ-ε_F, eV
Electron Temperature T_e, 10^4K
C_e(T_e) in PRB2008
new C_e(T_e)
Electron Heat Capacity, C_e, 10^5Jm^-3K^-1
Electron Temperature T_e, 10^4K
with Ni DOS (PRB08)
with Ni DOS (Website)
Electron-Phonon Coupling Factor, G, 10^17Wm^-3K^-1
Electron Temperature T_e, 10^4K


Pt DOS (PRB08)
Pt DOS (Website)
Pt
Density of States (DOS), states/eV/atom
ε-ε_F, eV
with Pt DOS (PRB08)
with Pt DOS (Website)
μ-ε_F, eV
Electron Temperature T_e, 10^4K
C_e(T_e) in PRB2008
new C_e(T_e)
Electron Heat Capacity, C_e, 10^5Jm^-3K^-1
Electron Temperature T_e, 10^4K
with Pt DOS (PRB08)
with Pt DOS (Website)
Electron-Phonon Coupling Factor, G, 10^17Wm^-3K^-1
Electron Temperature T_e, 10^4K


W DOS (PRB08)
W DOS (Website)
W
Density of States (DOS), states/eV/atom
ε-ε_F, eV
with W DOS (PRB08)
with W DOS (Website)
μ-ε_F, eV
Electron Temperature T_e, 10^4K
C_e(T_e) in PRB2008
new C_e(T_e)
Electron Heat Capacity, C_e, 10^5Jm^-3K^-1
Electron Temperature T_e, 10^4K
with W DOS (PRB08)
with W DOS (Website)
Electron-Phonon Coupling Factor, G, 10^17Wm^-3K^-1
Electron Temperature T_e, 10^4K


Ti
Ti DOS (PRB08)
Ti DOS (Website)
Density of States (DOS), states/eV/atom
ε-ε_F, eV
with Ti DOS (PRB08)
with Ti DOS (Website)
μ-ε_F, eV
Electron Temperature T_e, 10^4K
C_e(T_e) in PRB2008
new C_e(T_e)
Electron Heat Capacity, C_e, 10^5Jm^-3K^-1
Electron-Phonon Coupling Factor, G, 10^17Wm^-3K^-1