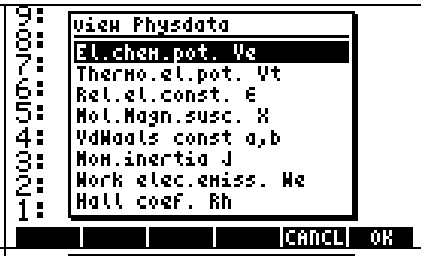
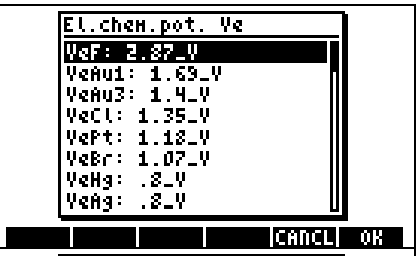
PHYSDATA

Pdview: view physdata (0.1s)

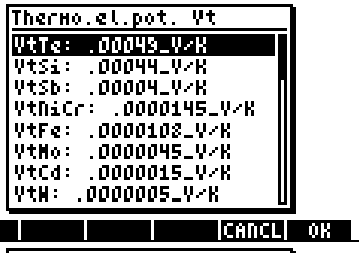
Pdview: el. chem. potentials

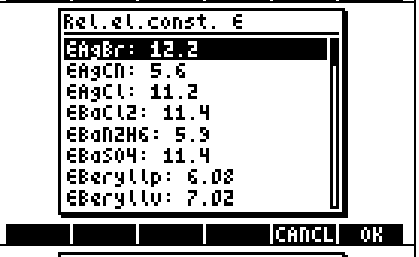




thermo el. potentials

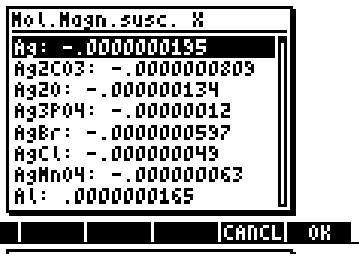
relative electric constants

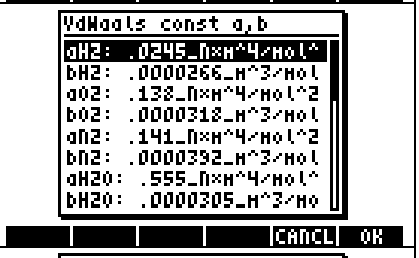




molar magnetic suscept.

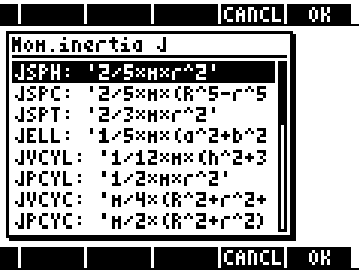
Van der Waals constants

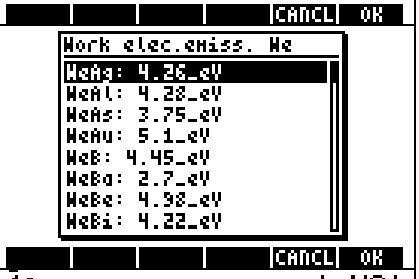




moments of inertia

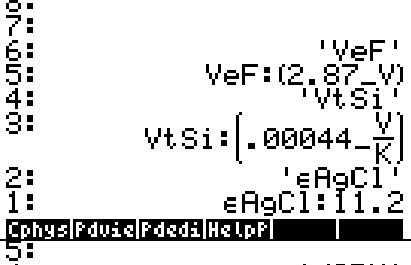
work of electron emission

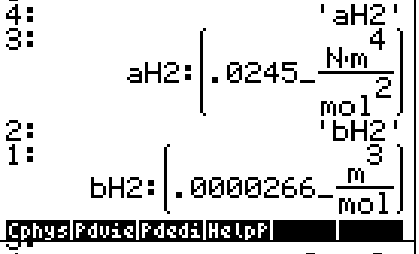




Cphysdat: electrochemical, thermoelectrical potentials, relative electric constants (0.5s)

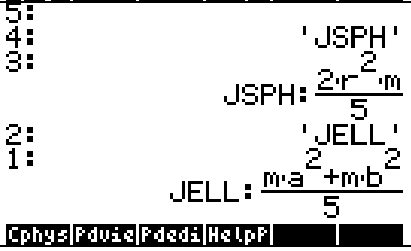
Van der Waals constants

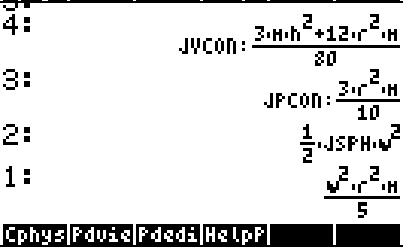




Cphysdat: moments of inertia, JSPH, JELL (0.5s)

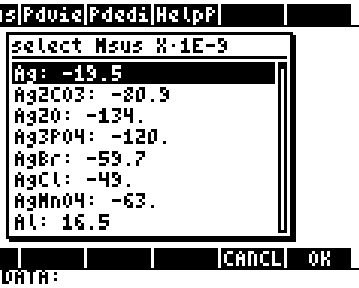
JVCON, JPCON, insert in 1/2*JSPH*ω^2 (1s)



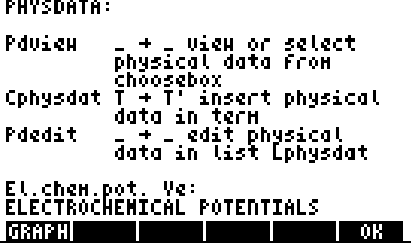


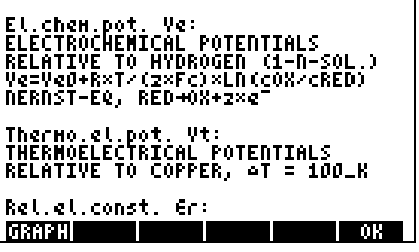
Pdview: select magnetic susceptibilites

Pdedit: edit data (0.1s)



HelpPHYSDATA: help





help	Rel.el.const. εr: RELATIVE ELECTRIC CONSTANTS εtot=εr×ε0 VALID FOR T=293_K Mol.magn.susc. X: MOLAR MAGNETIC SUSCEPTIBILITY X=Xmol, B=μ×H, μ=μ0×(1+Xvol) Xvol=ρ/M×Xmol, M=mass,ρ=density Xvol=volume magn. susc. Xmol CAN ONLY BE OBTAINED BY Pdview NOT BY Cphysdat! GRAPH OK	VdWaals const. a,b: VAN DER WAALS CONSTANTS IN REAL GAS LAW (P+(n/V)^2×a)×(V-n×b)=n×R×T Mom. inertia J: MOMENTS OF INERTIA J=∫r^2dM, T=1/2×J×w^2 kin.energy L=J×w angular momentum JP,V J PARALELL,VERTICAL TO THE MAIN AXIS OF BODY GRAPH OK
help	J=∫r^2dM, T=1/2×J×w^2 kin.energy L=J×w angular momentum JP,V J PARALELL,VERTICAL TO THE MAIN AXIS OF BODY SPH: SPHERE SPC: SPHERE CAVE SPT: SPH. THIN ELL: ELLIPSOID CYL: CYLINDER CYC: CYL. CAVE CYT: CYL. THIN TOR: TORUS CON: CONE PAR: PARALELLEPI. ROD: THIN ROD PLA: PLATE CIR: CIRCLE RIN: RING GRAPH OK	Work elec.emiss. We:: WORK FOR ELECTRON EMISSION. THERMIC ION., PHOTO, FIELD EM. PHOTOEMISSION: hf=We+Ekin Hall coef. Rh: HALL COEFFICIENT Rh=Ey2(Bz×jx)=d×V/(I×Bz) Vh=-I×Bz/(d×n×e) Hall voltage E,B=el.,magn. field I,(j)=current,(density) n=charge density d=depth of plate GRAPH OK