

Microsoft Windows XP [Verze 6.0.6002]
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C:\Users\Terezka\Documents\Perple_X clear>build

Perple_X version 6.7.0, source updated July 2, 2014.

NO is the default (blank) answer to all Y/N prompts

Enter a name for this project (the name will be used as the
root for all output file names) [default = my_project]:
Al2SiO5

The problem definition file will be named: Al2SiO5.dat

Enter thermodynamic data file name [default = hp02ver.dat]:
hp04ver.dat

Enter the computational option file name [default = perplex_option.dat]:
See: www.perplex.ethz.ch/perplex_options.html

Reading computational options from: perplex_option.dat

The current data base components are:

NA2O MGO AL2O3 SIO2 K2O CAO TIO2 MNO FEO NIO ZRO2 CL2
O2 H2O CO2

Transform them (Y/N)?

y

Enter new component name, < 6 characters, left justified:

als

Enter old component to be replaced with als :

AL2O3

Enter other components (< 11) in als 1 per line, <enter> to finish:

SIO2

Enter stoichiometric coefficients of:

AL2O3 SIO2

in als (in above order):

1 1

als = 1.00 AL2O3 1.00 SIO2

Is this correct (Y/N)?

y

The current data base components are:

NA2O MGO als SIO2 K2O CAO TIO2 MNO FEO NIO ZRO2 CL2
O2 H2O CO2

Transform them (Y/N)?

n

Calculations with a saturated FLUID (Y/N)?

n

Calculations with saturated components (Y/N)?

n

Use chemical potentials, activities or fugacities as independent variables (Y/N)?

n

Select thermodynamic components from the set:

NA2O MGO als SIO2 K2O CAO TIO2 MNO FEO NIO ZRO2 CL2
O2 H2O CO2

Enter names, 1 per line, press <enter> to finish:

als

Specify computational mode:

- 1 - Unconstrained minimization
- 2 - Constrained minimization on a 2d grid [default]
- 3 - Constrained minimization on a 1d grid
- 4 - Output pseudocompound data
- 5 - Phase fractionation calculations

Use unconstrained minimization for Schreinemakers projections or phase diagrams with > 2 independent variables. Use constrained minimization for phase diagrams or phase diagram sections with < 3 independent variables.

2

The data base has P(bar) and T(K) as default independent potentials.

Make one dependent on the other, e.g., as along a geothermal gradient (y/n)?

n

Select x-axis variable:

- 1 - P(bar)
- 2 - T(K)

2

Enter minimum and maximum values, respectively, for: T(K)

473 1273

Enter minimum and maximum values, respectively, for: P(bar)

500 9500

For gridded minimization, grid resolution is determined by the number of levels (grid_levels) and the resolution at the lowest level in the X- and Y-directions (x_nodes and y_nodes) these parameters are currently set for the exploratory and autorefine cycles as follows:

stage	grid_levels	xnodes	ynodes	effective resolution
exploratory	1	40	40	40 x 40 nodes
auto-refine	4	60	60	473 x 473 nodes

To change these options edit or create the file perplex_option.dat
See: www.perplex.ethz.ch/perplex_options.html#grid_parameters

Specify component amounts by weight (Y/N)?

n

Enter molar amounts of the components:

als

for the bulk composition of interest:

1

Output a print file (Y/N)?

n

Summary of valid make definitions:

als

sil8L 1.60

Exclude pure and/or endmember phases (Y/N)?

n

Include solution phases (Y/N)?

y

Enter the solution model file name [default = solution_model.dat]:

warning ver025 0 endmembers for Opx(HP) The solution will not be considered.
warning ver025 0 endmembers for Bio(TCC) The solution will not be considered.
warning ver025 0 endmembers for TiBio(WPH) The solution will not be considered.
warning ver025 0 endmembers for Opx(HP11) The solution will not be considered.
warning ver025 0 endmembers for CrOpx(HP) The solution will not be considered.
warning ver025 0 endmembers for Si-vapor The solution will not be considered.
warning ver025 0 endmembers for Gt(MPF) The solution will not be considered.
warning ver025 0 endmembers for oAmph(DP) The solution will not be considered.
warning ver025 0 endmembers for Omph(GHP) The solution will not be considered.
warning ver025 0 endmembers for cAmph(DP) The solution will not be considered.
warning ver025 0 endmembers for Chl(HP) The solution will not be considered.
warning ver025 0 endmembers for Chl(LWV) The solution will not be considered.
warning ver025 0 endmembers for O(SG) The solution will not be considered.
warning ver025 1 endmembers for melt(HP) The solution will not be considered.

warning ver025 0 endmembers for pMELTS(G) The solution will not be considered.
warning ver025 0 endmembers for mMELTS(G) The solution will not be considered.
warning ver025 0 endmembers for MELTS(GS) The solution will not be considered.
warning ver025 0 endmembers for Ep(HP) The solution will not be considered.
warning ver025 0 endmembers for Pheng(HP) The solution will not be considered.
warning ver025 0 endmembers for Sapp(HP) The solution will not be considered.
warning ver025 0 endmembers for Sapp(KWP) The solution will not be considered.
warning ver025 0 endmembers for Osm(HP) The solution will not be considered.
warning ver025 0 endmembers for GaHcSp The solution will not be considered.
warning ver025 0 endmembers for F The solution will not be considered.
warning ver025 0 endmembers for F(salt) The solution will not be considered.
warning ver025 0 endmembers for T The solution will not be considered.
warning ver025 0 endmembers for Scap The solution will not be considered.
warning ver025 0 endmembers for St(HP) The solution will not be considered.
warning ver025 0 endmembers for Ctd(HP) The solution will not be considered.
warning ver025 0 endmembers for Carp The solution will not be considered.
warning ver025 0 endmembers for hCrd The solution will not be considered.
warning ver025 0 endmembers for Sud(Livi) The solution will not be considered.
warning ver025 0 endmembers for Sud The solution will not be considered.
warning ver025 0 endmembers for Cumm The solution will not be considered.
warning ver025 0 endmembers for Anth The solution will not be considered.
warning ver025 0 endmembers for A The solution will not be considered.
warning ver025 0 endmembers for Gl The solution will not be considered.
warning ver025 0 endmembers for Tr The solution will not be considered.
warning ver025 0 endmembers for GTrTsPg The solution will not be considered.
warning ver025 0 endmembers for Amph(DHP) The solution will not be considered.
warning ver025 0 endmembers for Amph(DPW) The solution will not be considered.
warning ver025 0 endmembers for feldspar The solution will not be considered.
warning ver025 0 endmembers for feldspar_B The solution will not be considered.
warning ver025 0 endmembers for Pl(h) The solution will not be considered.
warning ver025 0 endmembers for Kf The solution will not be considered.
warning ver025 0 endmembers for San The solution will not be considered.
warning ver025 0 endmembers for San(TH) The solution will not be considered.
warning ver025 0 endmembers for GCOHF The solution will not be considered.
warning ver025 0 endmembers for MaPa The solution will not be considered.
warning ver025 0 endmembers for Mica(CF) The solution will not be considered.
warning ver025 0 endmembers for Mica(CHA1) The solution will not be considered.
warning ver025 0 endmembers for Mica(CHA) The solution will not be considered.
warning ver025 0 endmembers for Mica+(CHA) The solution will not be considered.
warning ver025 0 endmembers for O(HP) The solution will not be considered.
warning ver025 0 endmembers for Cpx(l) The solution will not be considered.
warning ver025 0 endmembers for Cpx(h) The solution will not be considered.
warning ver025 0 endmembers for Mont The solution will not be considered.
warning ver025 0 endmembers for Do(HP) The solution will not be considered.
warning ver025 0 endmembers for M(HP) The solution will not be considered.
warning ver025 0 endmembers for Do(AE) The solution will not be considered.
warning ver025 0 endmembers for Cc(AE) The solution will not be considered.
warning ver025 0 endmembers for MF The solution will not be considered.
warning ver025 0 endmembers for Sp(JR) The solution will not be considered.
warning ver025 0 endmembers for Sp(GS) The solution will not be considered.

warning ver025 0 endmembers for Sp(HP) The solution will not be considered.
warning ver025 0 endmembers for Mt(W) The solution will not be considered.
warning ver025 0 endmembers for IIHm(A) The solution will not be considered.
warning ver025 0 endmembers for IIGkPy The solution will not be considered.
warning ver025 0 endmembers for MtUI(A) The solution will not be considered.
warning ver025 0 endmembers for Neph(FB) The solution will not be considered.
warning ver025 0 endmembers for GrPyAlSp(B) The solution will not be considered.
warning ver025 0 endmembers for Gt(GCT) The solution will not be considered.
warning ver025 0 endmembers for Gt(HP) The solution will not be considered.
warning ver025 0 endmembers for Gt(EWHP) The solution will not be considered.
warning ver025 0 endmembers for Gt(WPH) The solution will not be considered.
warning ver025 0 endmembers for casmelt The solution will not be considered.
warning ver025 0 endmembers for A-phase The solution will not be considered.
warning ver025 0 endmembers for Chum The solution will not be considered.
warning ver025 0 endmembers for Atg(PN) The solution will not be considered.
warning ver025 0 endmembers for B The solution will not be considered.
warning ver025 0 endmembers for P The solution will not be considered.
warning ver025 0 endmembers for Toop-Melt The solution will not be considered.
warning ver025 0 endmembers for OrFsp(C1) The solution will not be considered.
warning ver025 0 endmembers for AbFsp(C1) The solution will not be considered.
warning ver025 0 endmembers for Pl(I1,HP) The solution will not be considered.
warning ver025 0 endmembers for Fsp(C1) The solution will not be considered.
warning ver025 0 endmembers for Fsp(DD) The solution will not be considered.
warning ver025 0 endmembers for oCcM(HP) The solution will not be considered.
warning ver025 0 endmembers for Tour(V) The solution will not be considered.
warning ver025 0 endmembers for DoDo The solution will not be considered.
warning ver025 0 endmembers for Wus(fab) The solution will not be considered.
warning ver025 0 endmembers for Aki(fab) The solution will not be considered.
warning ver025 0 endmembers for Pv(fab) The solution will not be considered.
warning ver025 0 endmembers for Ppv(og) The solution will not be considered.
warning ver025 0 endmembers for O(stx) The solution will not be considered.
warning ver025 0 endmembers for Wad(stx) The solution will not be considered.
warning ver025 0 endmembers for Ring(stx) The solution will not be considered.
warning ver025 0 endmembers for Sp(stx) The solution will not be considered.
warning ver025 0 endmembers for Gt(stx) The solution will not be considered.
warning ver025 0 endmembers for C2/c(stx) The solution will not be considered.
warning ver025 0 endmembers for Opx(stx) The solution will not be considered.
warning ver025 0 endmembers for Cpx(stx) The solution will not be considered.
warning ver025 0 endmembers for Cpx(stx7) The solution will not be considered.
warning ver025 0 endmembers for o-Amph The solution will not be considered.
warning ver025 0 endmembers for Omph(HP) The solution will not be considered.
warning ver025 0 endmembers for Cpx(HP) The solution will not be considered.
warning ver025 0 endmembers for CrSp The solution will not be considered.
warning ver025 0 endmembers for Eskol(C) The solution will not be considered.
warning ver025 0 endmembers for Ca-Amph(D) The solution will not be considered.
warning ver025 0 endmembers for Na-Amph(D) The solution will not be considered.
warning ver025 0 endmembers for Wus(stx7) The solution will not be considered.
warning ver025 0 endmembers for Aki(stx7) The solution will not be considered.
warning ver025 0 endmembers for Pv(stx7) The solution will not be considered.
warning ver025 0 endmembers for O(stx7) The solution will not be considered.

warning ver025 0 endmembers for Wad(stx7) The solution will not be considered.
warning ver025 0 endmembers for Ring(stx7) The solution will not be considered.
warning ver025 0 endmembers for Sp(stx7) The solution will not be considered.
warning ver025 0 endmembers for Sp(WPC) The solution will not be considered.
warning ver025 0 endmembers for Ilm(WPH) The solution will not be considered.
warning ver025 0 endmembers for Cpx(m) The solution will not be considered.
warning ver025 0 endmembers for Ol(m) The solution will not be considered.
warning ver025 0 endmembers for Pl(stx8) The solution will not be considered.
warning ver025 0 endmembers for Sp(stx8) The solution will not be considered.
warning ver025 0 endmembers for O(stx8) The solution will not be considered.
warning ver025 0 endmembers for Wad(stx8) The solution will not be considered.
warning ver025 0 endmembers for Ring(stx8) The solution will not be considered.
warning ver025 0 endmembers for Opx(stx8) The solution will not be considered.
warning ver025 0 endmembers for Cpx(stx8) The solution will not be considered.
warning ver025 0 endmembers for Aki(stx8) The solution will not be considered.
warning ver025 0 endmembers for Gt(stx8) The solution will not be considered.
warning ver025 0 endmembers for Ppv(stx8) The solution will not be considered.
warning ver025 0 endmembers for CF(stx8) The solution will not be considered.
warning ver025 0 endmembers for Pu(M) The solution will not be considered.
warning ver025 0 endmembers for Act(M) The solution will not be considered.
warning ver025 0 endmembers for Stlp(M) The solution will not be considered.
warning ver025 0 endmembers for Mica(M) The solution will not be considered.
warning ver025 0 endmembers for Carp(M) The solution will not be considered.
warning ver025 0 endmembers for Sud(M) The solution will not be considered.
warning ver025 0 endmembers for GtTrTsMr The solution will not be considered.
warning ver025 0 endmembers for Carb(M) The solution will not be considered.
warning ver025 0 endmembers for TiBio(HP) The solution will not be considered.
warning ver025 0 endmembers for Mica(SGH) The solution will not be considered.
warning ver025 0 endmembers for Ctd(SGH) The solution will not be considered.
warning ver025 0 endmembers for Carp(SGH) The solution will not be considered.
warning ver025 0 endmembers for Gt(WPPH) The solution will not be considered.
warning ver025 0 endmembers for cAmph(DP2) The solution will not be considered.
warning ver025 0 endmembers for oAmph(DP2) The solution will not be considered.
warning ver025 0 endmembers for Omph(GHP2) The solution will not be considered.
warning ver025 0 endmembers for FeSi(BCC) The solution will not be considered.
warning ver025 0 endmembers for FeSi(fcc) The solution will not be considered.
warning ver025 0 endmembers for oFeSi(bcc) The solution will not be considered.
warning ver025 0 endmembers for FeSi_liq The solution will not be considered.
warning ver025 0 endmembers for ZrRu The solution will not be considered.
warning ver025 0 endmembers for ZrGt(KP) The solution will not be considered.
warning ver025 0 endmembers for odCcMS(EF) The solution will not be considered.
warning ver025 0 endmembers for Si-Fluid The solution will not be considered.
warning ver025 0 endmembers for FeSiC-BCC The solution will not be considered.
warning ver025 0 endmembers for FeSiC-FCC The solution will not be considered.
warning ver025 0 endmembers for Maj The solution will not be considered.
warning ver025 0 endmembers for Wad The solution will not be considered.
warning ver025 0 endmembers for Ring The solution will not be considered.
warning ver025 0 endmembers for Wus The solution will not be considered.
warning ver025 0 endmembers for Aki The solution will not be considered.
warning ver025 0 endmembers for Pv The solution will not be considered.

warning ver025 0 endmembers for FeSiC_liq The solution will not be considered.
warning ver025 0 endmembers for Sapp(TP) The solution will not be considered.
warning ver025 0 endmembers for oCcM(EF) The solution will not be considered.
warning ver025 0 endmembers for LIQ(EF) The solution will not be considered.
warning ver025 0 endmembers for dis(EF) The solution will not be considered.
warning ver025 0 endmembers for Opx(W) The solution will not be considered.
warning ver025 0 endmembers for Chl(W) The solution will not be considered.
warning ver025 0 endmembers for Crd(W) The solution will not be considered.

The solution model file contains no relevant models.

Enter calculation title:

Al2SiO5

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