

Thermo-Calc Software

Powerful Software for Thermodynamic and Diffusion Calculations

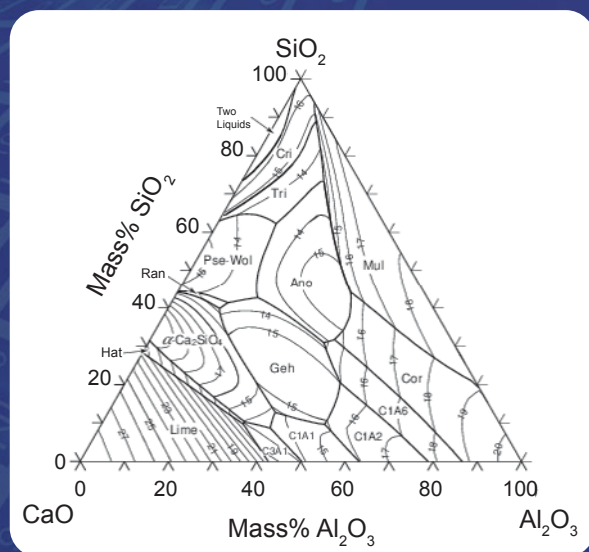
Software:

- ✓ **Thermo-Calc** for thermodynamics and phase equilibria in multicomponent systems
- ✓ **Diffusion module (DICTRA)** for diffusion controlled transformations
- ✓ **Precipitation module (TC-PRISMA)** for precipitation kinetics
- ✓ **Software development kits** for linking Thermo-Calc to your own software codes
- ✓ **Over 30 Databases** for thermodynamic and mobility applications



Coming in Spring 2017

- ✓ **12 New and Updated Databases**, including TCOX7, the metal oxides database which is suited to ceramics. Other updated databases: TCFE9 and MOBFE4 (steels), TCHEA2 (high entropy alloys), TCCU2 and MOBCU2 (Copper alloys), TCSLD3.2 and MOBSLD1 (solders), SLAG4.1 (slags), NUCL15 and MEPH15 (Nuclear materials) and TCNI8.1 (Ni Superalloys).
- ✓ **DICTRA available in the Graphical Mode** for the first time ever as an add-on module known as the Diffusion module.
- ✓ **Expanded Property Model Calculator.** The calculator which allows users to predict and optimize properties of materials based on models stored within the software has been expanded so that users can now develop their own property models using Python as a language.



Calculated phase diagram of the CaO-Al₂O₃-SiO₂ system[4] using the TCOX database. Ano: anorthite, C1A1: CaO·Al₂O₃, C1A2: CaO·2Al₂O₃, C1A6: CaO·6Al₂O₃, C3A1: 3CaO·Al₂O₃, Cor: corundum, Cri: cristobalite, Geh: gehlenite, Hat: hatrurite, Mul: mullite, Pse-Wol: pseudo-wollastonite, Ran: rankinite, Tri: tridymite.

Visit our website to learn more about the release:

Thermo-Calc Software AB
Email: info@thermocalc.com
Phone: +46-8-545 959 30

www.thermocalc.com/release

USA, Canada and Mexico
Email: paul@thermocalc.com
Phone: (724) 731 0074

H																			He
Li	Be											B	C	N	O	F			Ne
Na	Mg											Al	Si	P	S	Cl			Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br			Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I			Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At			Rn
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Uut	Fl	Uup	Lv	Uus			Uuo

Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

Now Invent.™



THE MATERIALS SCIENCE COMPANY®

catalog: americanelements.com

©2001-2014. American Elements is a U.S. Registered Trademark.