

# THERMOCALC Workshop

## Calculating Metamorphic Phase Equilibria

This file is the starting point for all the current documentation. Hypertext links (open red boxes) lead from here to all the constituent documentation/information files. And in each there is a hypertext link back here. All hypertext links are in red in an open red box.

This documentation does *not* cover anything to do with the appropriateness or otherwise of applying equilibrium thermodynamics to particular rocks or petrological problems.

- background
  - introduction: terminology, Schreinemakers, “projection”...
  - internally-consistent thermodynamic datasets
  - $a$ - $x$  relationships
  - calculating mineral equilibria
- THERMOCALC
  - introduction to THERMOCALC
  - datafile construction
  - script documentation
  - calculating phase diagrams with THERMOCALC
  - average  $PT$
  - web site for Powell *et al.* (1998)
- DRAWPD
  - datafile construction and example
- AX
  - introduction
  - $a$ - $x$  relationships used by AX
- pracs
  - prac 1
  - prac 2
  - additional pracs
  - answers **1 2**
- also
  - symbol table, mineral and end-member abbreviations
  - THERMOCALC and DRAWPD datafile names
  - example phase diagrams and phase diagram movies
  - Mathematica code
  - sundry refs **+ reading list**