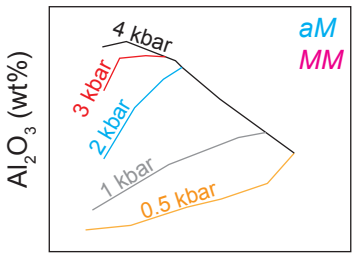
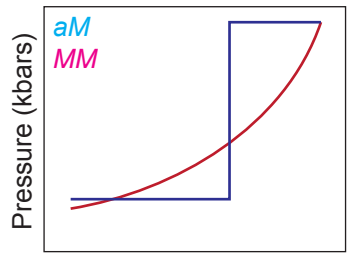
aM - compatible with alphaMELTS for Python
MM - compatible with MAGEMin_C

a) Crystallisation calcs

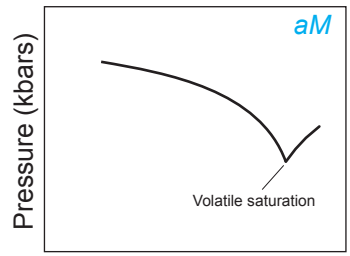
isobaric_crystallisation()



polybaric_crystallisation_onestep()
polybaric_crystallisation_path()



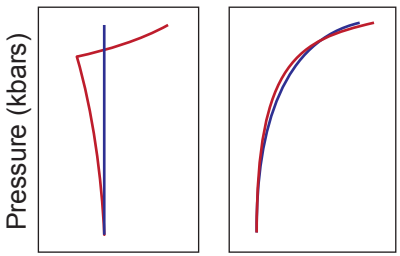
isochoric_crystallisation()



b) Decompression calcs

aM

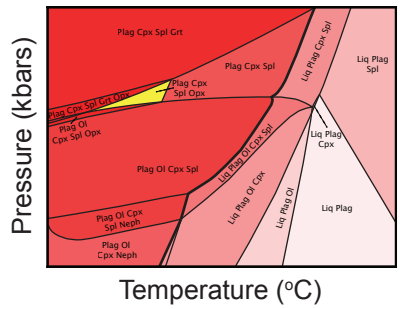
isothermal_decompression()
isentropic_decompression()



c) Phase Diagram calcs

aM
MM

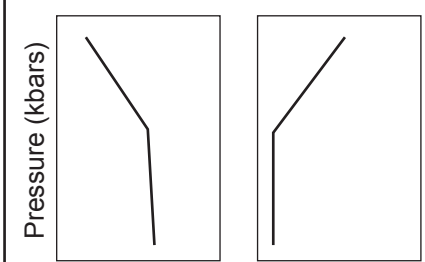
phaseDiagram_calc()



d) Melting calcs

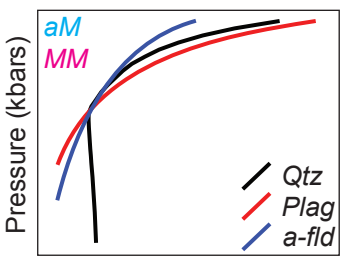
aM
MM

adiabatic_melting()

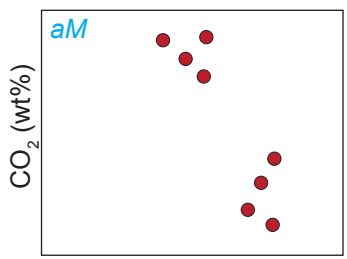


e) Barometry calcs

mineral_cosaturation()



saturationP_calc()



e) Additional core funcitons

findLiq_multi() - load in an Excel spreadsheets of liquids and calculate their liquidus temperatures

findCO2_multi() - given a particular melt composition.pressure and H2O content, what is the maximum CO2 content of the melt phase (aM only)

equilibrate_multi() - takes multiple input variables and returns data for phase composition, abundance, and thermodynamic properties