



Universität
Basel

Research Project

Thermodynamics of Metamorphic Fluids

Project funded by own resources

Project title Thermodynamics of Metamorphic Fluids

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Organisation / Research unit

Departement Umweltwissenschaften / Theoretische Petrologie (De Capitani)

Project Website <http://titan.minpet.unibas.ch/minpet/theriak/theruser.html>

Project start 01.05.2003

Probable end 15.05.2018

Status Completed

A new software is developed to calculate aqueous speciation in metamorphic fluids. The thermodynamic data is the HKF model described by Tanger (1986). The equilibrium is based on the solid equilibrium computed by Theriak (de Capitani and Brown, 1987). The aim is to model the solubility and transport of minerals and aqueous species in the pressure and temperature range of low grade metamorphism.

Keywords Aqueous thermodynamics, chemical equilibrium

Financed by

University funds

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