This library of BASIC scripts is used together with the geochemical modeling program, PHREEQC 3.0 (Parkhurst and Appelo, 2013). To use this library, users should select the phases to be included in the kinetics model, copy the scripts, and paste under the RATES block in a PHREEQC input file. For details and updates, please visit https://hydrogeochem.earth.indiana.edu.

For further instruction on how to build the PHREEQC input file, please refer to the manual of PHREEQC 3.0 (Parkhurst and Appelo, 2013).

**Reference:**

Parkhurst, D.L., Appelo, C., 2013. Description of input and examples for PHREEQC version 3--A computer program for speciation, batch-reaction, one-dimensional transport, and inverse geochemical calculations. USGS report