

## Igpet - igneous petrology software

**Igpet** provides tools for teaching and research in Igneous Petrology, allowing users to develop their own data files and to use graphics routines to discover and interpret patterns of geochemical variation.

- Harker, Fenner, Discrimination, CMAS, SPIDER, REE and Pearce element ratio plots
- Linear regression, hyperbolic mixing and AFC modeling
- CIPW norms and least-squares fractionation and magma mixing calculations
- Transfer data to spreadsheets or graphics to draw programs using the clipboard
- Publication quality output

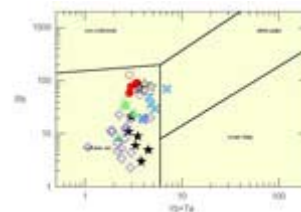
**Igpet** draws most types of petrologic diagrams, including Harker, Fenner, triangular and log plots. A calculator includes (+ - / \*), Log, square, square root, ppm and chondrite functions. Special purpose diagrams, e.g. the Irvine and Baragar (1971) rock classification scheme, are stored in control files that can be expanded easily. CMAS projections include O'Hara, Walker, Grove, Baker and Egglar etc. Spider diagrams include REES, Wood, Thompson, Sun and McDonough etc.).

**Igpet** disks come with several data sets, including low pressure cotectic data, moderate pressure cotectic data, MORB glasses, and several suites of calc-alkaline rocks from Central American volcanoes.



## New in IgPet

- Error bar plotting
- **Igpet** has legend capabilities!
- Equation parser in the variables window
- Ce\*, Eu\*, Nb\* added to the "Extra parameters" function
- Double the number of symbols
- Switch X and Y axis variables with the click of a button
- The Macintosh version of **Igpet** 2006 is now fully compatible with OS X



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