R documentation

of 'Grebennikov.Rd'

January 31, 2018

Grebennikov	*Grebennikov (2014) 5Fe2O3t - Na2O+K2O - 5(CaO+MgO)*

Description

Assigns data for $5Fe_2O_3t - Na_2O + K_2O - 5(CaO + MgO)$ ternary diagram into Figaro template (list 'sheet') and appropriate values into 'x.data' and 'y.data'.
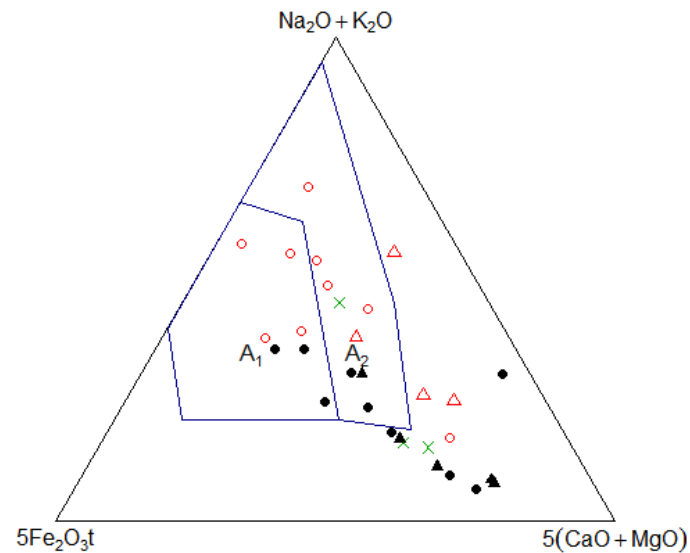
Usage

```
Grebennikov()
```

Arguments

None.

Details

The ternary plot $5Fe_2O_3t - Na_2O + K_2O - 5(CaO + MgO)$ of *Grebennikov (2014)* serves for classification of A-type granites and related felsic volcanic rocks ($SiO_2 > 67$ wt.%).

$$5Fe_2O_3t - Na_2O + K_2O - 5(CaO + MgO)(Grebennikov\ 2014)$$

Value

`sheet`	list with Figaro Style Sheet data
`x.data`	x coordinates
`y.data`	y coordinates

Author(s)

Vojtech Janousek, `<vojtech.janousek@geology.cz>`

References

Grebennikov AV (2014) A-type granites and related rocks: petrogenesis and classification. Russ Geol Geophys 55: 1353-1366 doi: 10.1016/j.rgg.2014.08.003

See Also

figaro plotDiagram

Examples

```
# plot the diagram
# assuming a dataset is loaded, of course!
## Not run:
plotDiagram("Grebennikov",FALSE,TRUE)
```

```
## End(Not run)
```