

R documentation

of 'DebonBQF.Rd'

November 27, 2018

DebonBQF

BQF ternary diagram (Debon + Le Fort 1983)

Description

Assigns data for Debon & Le Fort's BQF ternary diagram into Figaro template (list 'sheet') and appropriate values into 'x.data' and 'y.data'.

Usage

```
DebonBQF(reference.rocks=TRUE)
```

Arguments

`ideal.rocks` logical; should be the ideal rock compositions also plotted?.

Details

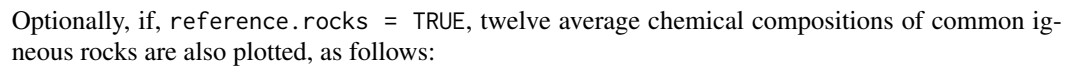
The BQF diagram as proposed by *Debon and Le Fort (1983)* expresses balance of three main groups of rock-forming minerals, dark minerals (B), quartz (Q) and feldspars with muscovite (F).

Parameters for the diagram are calculated by the function 'DebonCalc'. All of them are based on millications (1000 gram-atoms per 100 grams) and named as follows:

Q(quartz)

B(dark m.)

F(feldsp)



For details, see *Debon & Le Fort (1983)* or *(1988)*.

sheet	list with Figaro Style Sheet data
x.data, y.data	Q(quartz), B(dark m.) and F(feldsp) values (see details) transformed into 2D

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

References

Debon F & Le Fort P (1983) A chemical-mineralogical classification of common plutonic rocks and associations. *Trans Roy Soc Edinb; Earth Sci* 73: 135-149

Debon F & Le Fort P (1988) A cationic classification of common plutonic rocks and their magmatic associations: principles, method, applications. *Bull. Mineral* 111: 493-511

See Also

[classify](#) [figaro](#) [plotDiagram](#) [DebonPQ](#) [DebonBA](#) [DebonQB](#) [DebonKNaB](#) [DebonBMgNo](#) [Debon-Calc](#)

Examples

```
data(blatna)
accessVar("blatna")
plotDiagram("DebonBQF", FALSE, reference.rocks=TRUE)
figCol("red")
```