R documentation

of 'PearceDesctructive1.Rd'

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PearceDestructive1   *Ta/Yb - K2O/Yb (Pearce 1982)*

Description

Assigns data for Ta/Yb vs. K_2O/Yb binary diagram into Figaro template (list 'sheet') and appropriate values into 'x.data' and 'y.data'.
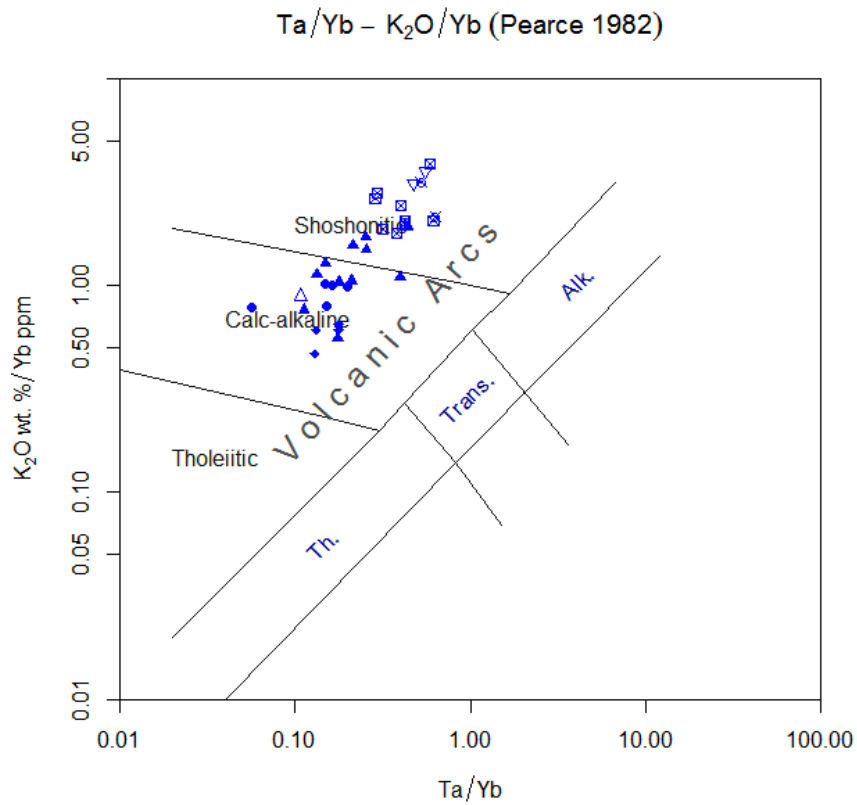
Usage

```
PearceDestructive1()
```

Arguments

None.

Details

The binary plot Ta/Yb vs. K_2O/Yb of *Pearce (1982)* serves for geotectonic discrimination of volcanic-arc basalts. In addition, it can distinguish between the tholeiitic, calc-alkaline and shoshonitic types.

Ta/Yb − K$_2$O/Yb (Pearce 1982)

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

Pearce JA (1982) Trace element characteristics of lavas from destructive plate boundaries. In: Thorpe RS (eds) Andesites; Orogenic Andesites and Related Rocks. John Wiley & Sons, Chichester, pp 525-548

Coordinates and graph layout are taken from website of Kurt Hollocher.

See Also

figaro plotDiagram

Examples

```
# plot the diagram
# assuming a dataset is loaded, of course!
```

```
## Not run:
plotDiagram("PearceDestructive1",FALSE,TRUE)

## End(Not run)
```