

htrat230pmcdf

October 16, 2018

`i2xy`

Convert (x,y)-coordinates to single-number indices and back.

Description

Convert (x,y)-coordinates on the chip (and in the CEL file) to the single-number indices used in AffyBatch and CDF environment, and back.

Usage

```
i2xy(i)
xy2i(x,y)
```

Arguments

| | |
|----------------|---|
| <code>x</code> | numeric. x-coordinate (from 1 to 744) |
| <code>y</code> | numeric. y-coordinate (from 1 to 744) |
| <code>i</code> | numeric. single-number index (from 1 to 553536) |

Details

Type `i2xy` and `xy2i` at the R prompt to view the function definitions.

See Also

[htrat230pmcdf](#)

Examples

```
xy2i(5,5)
i      = 1:(744*744)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

| | |
|----------------------------|----------------------|
| <code>htrat230pmcdf</code> | <i>htrat230pmcdf</i> |
|----------------------------|----------------------|

Description

environment describing the CDF file

| | |
|----------------------------|----------------------|
| <code>htrat230pmdim</code> | <i>htrat230pmdim</i> |
|----------------------------|----------------------|

Description

environment describing the CDF dimensions

Index

*Topic **datasets**

htrat230pmcdf, 2

htrat230pmdim, 2

i2xy, 1

htrat230pmcdf, 1, 2

htrat230pmdim, 2

i2xy, 1

xy2i (i2xy), 1