

citruscdf

October 27, 2020

| | |
|-----------|------------------|
| citruscdf | <i>citruscdf</i> |
|-----------|------------------|

Description

environment describing the CDF file

| | |
|-----------|------------------|
| citrusdim | <i>citrusdim</i> |
|-----------|------------------|

Description

environment describing the CDF dimensions

| | |
|------|---------------------------------------------------------------------|
| i2xy | <i>Convert (x,y)-coordinates to single-number indices and back.</i> |
|------|---------------------------------------------------------------------|

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

| | |
|---|-------------------------------------------------|
| x | numeric. x-coordinate (from 1 to 984) |
| y | numeric. y-coordinate (from 1 to 984) |
| i | numeric. single-number index (from 1 to 968256) |

Details

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

See Also

[citruscdf](#)

Examples

```
xy2i(5,5)
i      = 1:(984*984)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

Index

* datasets

citruscdf, 1

citrusdim, 1

i2xy, 1

citruscdf, 1, 2

citrusdim, 1

i2xy, 1

xy2i (i2xy), 1