

citruscdf

July 12, 2023

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