

cottoncdf

November 19, 2025

cottoncdf	<i>cottoncdf</i>
-----------	------------------

Description

environment describing the CDF file

cottondim	<i>cottondim</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 732)
y	numeric. y-coordinate (from 1 to 732)
i	numeric. single-number index (from 1 to 535824)

Details

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

See Also

[cottoncdf](#)

Examples

```
xy2i(5,5)
i      = 1:(732*732)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

Index

* datasets

cottoncdf, [1](#)

cottondim, [1](#)

i2xy, [1](#)

cottoncdf, [1](#), [2](#)

cottondim, [1](#)

i2xy, [1](#)

xy2i (i2xy), [1](#)