primeviewcdf

January 28, 2026

---

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

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

primeviewcdf

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"])
```

primeviewcdf	*primeviewcdf*

Description

environment describing the CDF file

primeviewdim	*primeviewdim*

Description

environment describing the CDF dimensions

Index