

ath1121501cdf

October 17, 2011

ath1121501cdf *ath1121501cdf*

Description

environment describing the CDF file

ath1121501dim *ath1121501dim*

Description

environment describing the CDF dimensions

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 712)
y numeric. y-coordinate (from 1 to 712)
i numeric. single-number index (from 1 to 506944)

Details

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

See Also

[ath1121501cdf](#)

Examples

```
xy2i(5,5)
i      = 1:(712*712)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

Index

*Topic **datasets**

ath1121501cdf, [1](#)

ath1121501dim, [1](#)

i2xy, [1](#)

ath1121501cdf, [1](#), [2](#)

ath1121501dim, [1](#)

i2xy, [1](#)

xy2i ([i2xy](#)), [1](#)