

ath1121501cdf

March 28, 2024

| | |
|---------------|----------------------|
| ath1121501cdf | <i>ath1121501cdf</i> |
|---------------|----------------------|

Description

environment describing the CDF file

| | |
|---------------|----------------------|
| ath1121501dim | <i>ath1121501dim</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 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

* datasets

ath1121501cdf, 1

ath1121501dim, 1

i2xy, 1

ath1121501cdf, 1, 2

ath1121501dim, 1

i2xy, 1

xy2i (i2xy), 1