

mu6500subbcdf

May 14, 2025

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 260)
y	numeric. y-coordinate (from 1 to 260)
i	numeric. single-number index (from 1 to 67600)

Details

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

See Also

[mu6500subbcdf](#)

Examples

```
xy2i(5,5)
i      = 1:(260*260)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

mu6500subbcdf	<i>mu6500subbcdf</i>
---------------	----------------------

Description

environment describing the CDF file

mu6500subbdim	<i>mu6500subbdim</i>
---------------	----------------------

Description

environment describing the CDF dimensions

Index

* datasets

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

[mu6500subbcdf](#), [2](#)

[mu6500subbdim](#), [2](#)

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

[mu6500subbcdf](#), [1](#), [2](#)

[mu6500subbdim](#), [2](#)

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