

gahgu95bcd

September 28, 2010

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| gahgu95bcd | <i>gahgu95bcd</i> |
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Description

environment describing the CDF file

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| gahgu95bdim | <i>gahgu95bdim</i> |
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Description

environment describing the CDF dimensions

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| <i>i2xy</i> | <i>Convert (x,y)-coordinates to single-number indices and back.</i> |
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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

| | |
|----------|-------------------------------------------------|
| <i>x</i> | numeric. x-coordinate (from 1 to 640) |
| <i>y</i> | numeric. y-coordinate (from 1 to 640) |
| <i>i</i> | numeric. single-number index (from 1 to 409600) |

Details

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

See Also

[gahgu95bcdf](#)

Examples

```
xy2i(5,5)
i      = 1:(640*640)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

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