

citruscdf

July 16, 2025

<code>citruscdf</code>	<i>citruscdf</i>
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Description

environment describing the CDF file

<code>citrusdim</code>	<i>citrusdim</i>
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Description

environment describing the CDF dimensions

<code>i2xy</code>	<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

<code>x</code>	numeric. x-coordinate (from 1 to 984)
<code>y</code>	numeric. y-coordinate (from 1 to 984)
<code>i</code>	numeric. single-number index (from 1 to 968256)

Details

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

See Also

[citruscdf](#)

Examples

```
xy2i(5,5)
i      = 1:(984*984)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

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