

# gahgu95bcd

February 3, 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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