

# **citruscdf**

June 9, 2011

---

citruscdf	<i>citruscdf</i>
-----------	------------------

---

## **Description**

environment describing the CDF file

---

citrusdim	<i>citrusdim</i>
-----------	------------------

---

## **Description**

environment describing the CDF dimensions

---

<i>i2xy</i>	<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**

<i>x</i>	numeric. x-coordinate (from 1 to 984)
<i>y</i>	numeric. y-coordinate (from 1 to 984)
<i>i</i>	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"])
```

# Index

## \*Topic **datasets**

citruscdf, 1

citrusdim, 1

i2xy, 1

citruscdf, 1, 2

citrusdim, 1

i2xy, 1

xy2i (i2xy), 1