

# **citruscdf**

January 22, 2025

---

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

---

## **Description**

environment describing the CDF file

---

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

---

## **Description**

environment describing the CDF dimensions

---

|      |   |
|------|---|
| i2xy | <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**

|   |   |
|---|---|
| x | numeric. x-coordinate (from 1 to 984)           |
| y | numeric. y-coordinate (from 1 to 984)           |
| 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

## \* datasets

citruscdf, 1

citrusdim, 1

i2xy, 1

citruscdf, 1, 2

citrusdim, 1

i2xy, 1

xy2i (i2xy), 1