

# **bsubtiliscdf**

June 9, 2011

---

bsubtiliscdf      *bsubtiliscdf*

---

## **Description**

environment describing the CDF file

---

bsubtilisdim      *bsubtilisdim*

---

## **Description**

environment describing the CDF dimensions

---

i2xy      *Convert (x,y)-coordinates to single-number indices and back.*

---

## **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 454)  
y      numeric. y-coordinate (from 1 to 454)  
i      numeric. single-number index (from 1 to 206116)

**Details**

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

**See Also**

[bsubtiliscdf](#)

**Examples**

```
xy2i(5,5)
i      = 1:(454*454)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

# Index

## \*Topic **datasets**

bsubtiliscdf, [1](#)

bsubtilisdim, [1](#)

i2xy, [1](#)

bsubtiliscdf, [1](#), [2](#)

bsubtilisdim, [1](#)

i2xy, [1](#)

xy2i (i2xy), [1](#)