

pcb

keys:	[from]	<number>	source picture
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pcb produces *picture control block* information for a picture.

Examples

```
pcb 50; for x=x1,x2; p x,0=0; loop
```

This command sets the central row of picture 50 to zero.

```
pcb; unless class=3 | class=4 ..
```

This command tests whether the current picture is a class *Fourier* or *Spectrum* picture.

```
pcb; survey full; type mean*ncols*nrows
```

This command types the sum of all the pixels in a 2-D picture.

Description

pcb returns information about a picture. It sets the variables *x1*, *x2*, *y1*, *y2* and *z1*, *z2* to the ranges of the *x*, *y* and *z* coordinates, *ncols*, *nrows* and *nlays* to the dimensions of the picture, *class* to the class number, *form* to the form number and *wpf*, write-protection flag to *yes* or *no*. You may like to use these variables in short command sequences as shown in the second command example. For details of picture class and form numbers refer to *Appendix A: Picture Types*.

Notes

variables set:

- x1*, *x2*, *y1*, *y2*, *z1*, *z2* (*x*, *y*, *z* coordinate range)
- ncols*, *nrows*, *nlays* (number of columns, rows and layers)
- class* (picture class number)
- form* (data form number)
- wpf* (write-protection flag: set to *yes* if protected)

Defaults and Ranges

keys/options	defaults	range
[from]	current picture, held in the variable <i>select</i>	valid picture number