

NAME

imcopy - Copy a portion of an image to a new file

SYNOPSIS

imcopy [options] infilename outfilename

DESCRIPTION

imcopy copies a portion of an input image to a new file. If the input file contains multiple images, a portion of each input image is copied and written to the output file. The input and output image file formats may be different.

OPTIONS

imcopy has a variety of options in the following five categories:

File Selection	What input and output files to use
Format Selection	What image file format to use
Format Control	What variant of a file format to generate
Standard	Standard generic options on all SDSC tools
Manipulation	How the image can be manipulated

File Selection, Format Selection, Format Control, and Standard options are common to all SDSC image tools and are discussed in depth in the man page for imconv(1IM).

All options can be abbreviated to the first few unique characters.

Manipulation Options

The region of the input image to be copied to a new file is defined by four arguments:

-xposition x	Left edge of region
-yposition y	Top edge of region
-xsize w	Width of region
-ysize h	Height of region

-xposition and -yposition specify the copy region position and are constrained to be within the bounds of the input image. (0,0) is the upper left corner of the image. If these options are not given, the copy region position defaults to a position that centers the region within the input image.

-xsize and -ysize give the size of the copy region and are constrained to fit within the bounds of the input image. If these options are not given, the copy region defaults to a rectangle whose upper left corner is at the given copy region position, and which extends to the right and bottom edges of the input image.

NOTES

For notes regarding file format conversion and standard image tool options, see the man page on imconv(1IM).

Error messages are reported to stderr.

EXAMPLES

To copy from an Alias PIX file a 100x100 pixel region whose upper left corner is at (10,20) and store it to a Wavefront RLA file, use the following:

```
imcopy picture.pix -xpos 10 -ypos 20 -xsize 100 -ysize 100 clipart.rla
```

To copy a 500x500 pixel region from the center of an HDF file and write it to a TIFF file, use the following:

```
imcopy picture.hdf -xsize 500 -ysize 500 newpic.tiff
```

To copy the top 20 scanlines from an XWD file and store it to a new XWD file, use the following:

```
imcopy window.xwd -ypos 0 -ysize 20 border.xwd
```

To copy an entire input GIF image to a PCX file, use the following:

```
imcopy incoming.gif outgoing.pcx
```

With no copy region specified, the actions of imcopy default to the same as the SDSC image format conversion tool imconv(1IM), but they take a little longer.

SEE ALSO

imflip (1IM), imroll (1IM), imrotate (1IM), imshear (1IM), imscale (1IM), ImVfbCopy (3IM)

For information on SDSC's image library, see imintro(3IM).

AUTHOR

Dave Nadeau
San Diego Supercomputer Center

See the individual file format man pages for the authors of the underlying format read and write code. The names of these man pages begin with the letters "im" followed by the format name. For example, the name of the TIFF man page is imtiff. To display it, enter man imtiff.

CONTACT

SDSC consultants, (619)534-5100, consult@y1.sdsc.edu