1 Program imdump

1.1 Purpose

This program prints out the list of nonzero pixels in an image, with each one's x-index, y-index, and value. One application: importing data from functional images into spreadsheet programs for further analysis.

1.2 Usage

imdump input_image

1.3 Notes

- This prints out only the nonzero pixels in an image.
- The results are sent to stdout; this can be redirected (with $>$) to save to a file.
- Format: x-index y-index value, with one pixel per line.

1.4 Example

Example 1. Suppose that file fred08.0037 contains a 64×64 2D image.

imdump fred08.0037 $>$ frednz.out

The output has been redirected to file frednz.out, which now contains:

1 0 8
2 0 8
3 0 13
4 0 4
⋮
etc.
⋮
60 63 25
61 63 13
62 63 9
63 63 9