

# 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  $64 \times 64$  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
```