

# 1 Program imaver

## 1.1 Purpose

Compute the mean and standard deviation of a group of 2D images, pixel by pixel.

## 1.2 Usage

```
imaver out_ave out_sig input_images ...
```

## 1.3 Notes

- Use - to skip output of out\_ave and/or out\_sig.
- This program writes the output images in 'short int' format if inputs are short ints, otherwise output images are floating point.

## 1.4 Example

**Example 1.** Suppose that the group of files fred.0001, fred.0002, ..., fred.0068 is a collection of 2D images. To find the mean and standard deviation, pixel by pixel, for these images, use the command line:

```
imaver fred.ave fred.sig fred.*
```

Files fred.ave and fred.sig will be produced, containing the pixel by pixel means and standard deviations, respectively.