NAME

grandtour – grand tour for multispectral images

SYNOPSIS

grandtour [-t0 tinit] [-nview nview] [-d ndim] [-step stepsize]

DESCRIPTION

grandtour generates a sequence of projections of a multiframe image onto lower-dimensional images with dimension \( ndim \). The sequence is dense in the space of all \( ndim \)-dimensional projections.

OPTIONS

- **-d ndim**
  - dimensionality of projections

- **-nview nview**
  - number of views generated

- **-t0 tinit**
  - initial value of t (determines starting point of GT)

- **-step stepsize**
  - stepsize of GT, determines smoothness of GT, should be set to a small (real) value (e.g. 0.01465)

EXAMPLE

Simple 1-dimensional GT:

```
grandtour -nview 100 < in.hips > out.hips
```

The resulting image out.hips is a 100-frame image which can be viewed in a movie-like fashion with xshow.

A 3D Grand Tour may be realized this way:

```
grandtour -t0 10 -d 3 -nview 10 -step 0.03268 < in.hips > out.hips
```

out.hips is a 30 (3 x 10)-frame image. These could be viewed as 10 RGB images typically revealing more structure than 1-dimensional projections displayed as grayscale images.

REFERENCE


SEE ALSO

maf(1), epp(1)

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