
Subject: Re: Help needed to create image frames from dataset (mpeg movie)

Posted by [Jean H.](#) on Tue, 06 Jan 2009 14:06:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

> Hi,
>
> I think you misunderstood my question.
> I already read David's link. Like you said, that was the first thing
> that popped up.
> My question was not how to make mpeg movies, but how to make the
> matrix for each individual image frame, or the 3d data matrix.
> The above (x, y, t) is not in a matrix format, I wanted something like
>
> At T=1sec,
>
> in 4x4 matrix of x and y,
>
> 0 0 1 0
> 1 0 0 1
> 0 0 1 0
> 0 1 0 0
>
> Which corresponds to (2, 0), (0, 1), (3, 1), (2, 2), (1, 3) in x and y
> coordinates.
> Unfortunately, y coordinates I have are not in integer, but rather
> double precision, and I have hundreds of data set.
> So, I was hoping whether there is a quick way to create matrix out of
> the given data sets.

So, what should be the pixel size?

If it is unitary, there is no problem:

```
image = bytarr(Xsize,Ysize)
```

```
image[x,y] = 1
```

If you don't want to have the value 1, but rather the number of times a point fell in this pixel, use histogram instead (hist_2d). Moreover, you can specify the bin size!

Jean
