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

Posted by [loebasboy](#) on Tue, 06 Jan 2009 08:24:33 GMT

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On 6 Jan, 06:37, Kim <adisn...@hotmail.com> wrote:

> Hi,

>

> I'd really appreciate if someone can help me out here.

>

> I have 2-d data sets of x and y coordinates in time t.

> For example,

>

> At Time = 1sec,

x	y
10	20
20	14
4	8

> . .

> . .

> . .

>

> At Time = 2sec,

>

x	y
23	8
3	9
44	34

> . .

> . .

> . .

>

> And so on..

> At this format, I have approximately several hundreds of datasets of x

> and y.

> How can I make these data files into individual image frame such that

> those frames can be used in mpeg movie, which is the next step.

>

> Thank you very much!!!

You should create a 3D data matrix (X,Y,T) with the data and then read the next link and thank David for it.

http://www.dfanning.com/tips/how_mpeg.html

next time, do a simple google search before you ask something like this, with 'mpeg IDL' the above link was the first thing that popped up...

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

Posted by [Kim](#) on Tue, 06 Jan 2009 13:33:13 GMT

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On Jan 6, 2:24 am, loebasboy <stijn....@gmail.com> wrote:

> On 6 jan, 06:37, Kim <adisn...@hotmail.com> wrote:

>

>

>

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> next time, do a simple google search before you ask something like

> this, with 'mpeg IDL' the above link was the first thing that popped
> up...

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.

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

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> 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

Subject: Re: Help needed to create image frames from dataset (mpeg movie)
Posted by [David Fanning](#) on Tue, 06 Jan 2009 14:19:55 GMT
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Kim writes:

> So, I was hoping whether there is a quick way to create matrix out of
> the given data sets.

HIST_2D comes to mind. But, I've never known anyone who was happy with MPEG movies. Better to make an AVI movie it seems to me.

<http://www.dfanning.com/tips/howmovie.html>

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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

Posted by [Kim](#) on Tue, 06 Jan 2009 17:17:05 GMT

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On Jan 6, 8:06 am, "Jean H." <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

>> 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

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>

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>> 1 0 0 1

>> 0 0 1 0

>> 0 1 0 0

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> point fell in this pixel, use histogram instead (hist_2d). Moreover, you

> can specify the bin size!

>

> Jean

Thanks for all the help.

This might work after all. ^^

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

On 6 jan, 18:17, Kim <adisn...@hotmail.com> wrote:

> On Jan 6, 8:06 am, "Jean H." <jghas...@DELTHIS.ucalgary.ANDTHIS.ca>

> wrote:

>

>

>

>

>

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>> can specify the bin size!

>

>> Jean

>

> Thanks for all the help.

> This might work after all. ^^- Tekst uit oorspronkelijk bericht niet weergeven -
>
> - Tekst uit oorspronkelijk bericht weergeven -

Sorry for my misunderstanding, I was to quick in reading your problem...
