Subject: Student vs. normal version
Posted by bas on Thu, 24 Nov 2005 06:40:01 GMT
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Hey everyone:

I was curious if anyone knows the differences between the student version and the normal version? I read its something about GIF and MPEG licenses.

Are any features disabled in the student version?

Is that worth the extra price?

Thanks for your help
bas

Subject: Re: Student vs. normal version
Posted by Kenneth P. Bowman on Thu, 24 Nov 2005 14:19:09 GMT
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In article <1132814401.156202.144200@g14g2000cwa.googlegroups.com>,
"bas" <bas@hawaii.edu> wrote:

> Hey everyone:
>
> I was curious if anyone knows the differences between the student
> version and the normal version? I read its something about GIF and
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> Are any features disabled in the student version?
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> Is that worth the extra price?

No, you can always write PNGs (or other formats), and MPEGs are generally not a good choice for scientific graphics. (MPEG is designed for movies, not for images with fine lines, text, etc.)

Ken Bowman

Subject: Re: Student vs. normal version
Posted by Peter Clinch on Thu, 24 Nov 2005 14:42:48 GMT
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Kenneth P. Bowman wrote:

> In article <1132814401.156202.144200@g14g2000cwa.googlegroups.com>,
> "bas" <bas@hawaii.edu> wrote:

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>> version and the normal version? I read its something about GIF and
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>> Are any features disabled in the student version?
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>> Is that worth the extra price?

> No, you can always write PNGs (or other formats), and MPEGs are
> generally not a good choice for scientific graphics. (MPEG is designed
> for movies, not for images with fine lines, text, etc.)

I'd agree that's not worth the extra.

What may be worthwhile is tech support including upgrades and being
legal if you're not a student ("only for students pursuing degrees at
high schools, colleges and universities"). Note that the license to use
ends when your studies do.

Pete.
--
Peter Clinch Medical Physics IT Officer
Tel 44 1382 660111 ext. 33637 Univ. of Dundee, Ninewells Hospital
Fax 44 1382 640177 Dundee DD1 9SY Scotland UK
net p.j.clinch@dundee.ac.uk http://www.dundee.ac.uk/~pjclinch/

Subject: Re: Student vs. normal version
Posted by nmd.oliveira on Thu, 24 Nov 2005 16:05:33 GMT
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Do you save 3D variables in the PNG format? (As an alternative to make
scientific "movies"?)
If I try to pass a 3D var to the WRITE_PNG routine I get this error
message:

% WRITE_PNG: Image array must be (n,m) or (1-4,n,m).

I see the in the reference guide (pag.2523) that they refer the
possibility of saving a 3D variable, but I can't see how.

Kenneth P. Bowman escreveu:
> In article <1132814401.156202.144200@g14g2000cwa.googlegroups.com>,
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> generally not a good choice for scientific graphics. (MPEG is designed
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>
> Ken Bowman

Subject: Re: Student vs. normal version
Posted by David Fanning on Thu, 24 Nov 2005 16:09:45 GMT
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nmd.oliveira@gmail.com writes:

> Do you save 3D variables in the PNG format? (As an alternative to make
> scientific "movies"?)
> If I try to pass a 3D var to the WRITE_PNG routine I get this error
> message:
>
> % WRITE_PNG: Image array must be (n,m) or (1-4,n,m).
>
> I see the in the reference guide (pag.2523) that they refer the
> possibility of saving a 3D variable, but I can't see how.

What are the dimensions of your 3D variable?

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Student vs. normal version
Posted by Nuno Oliveira on Thu, 24 Nov 2005 16:17:42 GMT

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For that error message I used a DOUBLE = Array[360, 199, 101]

Subject: Re: Student vs. normal version
Posted by David Fanning on Thu, 24 Nov 2005 16:20:07 GMT
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Nuno Oliveira writes:

> For that error message I used a DOUBLE = Array[360, 199, 101]

Yeah, well, that's not exactly an image, is it? :-)

What is it you are trying to do, exactly?

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Student vs. normal version
Posted by Nuno Oliveira on Thu, 24 Nov 2005 16:29:29 GMT
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When Kenneth Bowman refered to PNG as alternative to MPEG for scientific movies I thought we were talking about a collection of images (in my case 360).

(I already read your "Scientific Animations in IDL" but for a moment I thought PNG format could a solution. My solution for animations is the gif format for know...)

Subject: Re: Student vs. normal version
Posted by Nuno Oliveira on Thu, 24 Nov 2005 16:38:37 GMT
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Grrr. Correcting:

"could a solution" ---> "could be a solution"

"for know" ---> "for now"

Subject: Re: Student vs. normal version
Posted by David Fanning on Thu, 24 Nov 2005 16:40:35 GMT
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Nuno Oliveira writes:

> When Kenneth Bowman refered to PNG as alternative to MPEG for
> scientific movies I thought we were talking about a collection of
> images (in my case 360).
>
> (I already read your "Scientific Animations in IDL" but for a moment I
> thought PNG format could a solution. My solution for animations is the
> gif format for know...)

Well, I think the idea is to create 360 PNG files, and
animate them by using something *other* than IDL to stitch
them into a movie. You can create your PNG files by doing
something like this:

```
  FOR j=0,359 DO BEGIN
    filename = 'file' + String(j, Format='(I3.3)') + '.png'
    Write_PNG, filename, Reform(array[j,*,*],199,101)
  ENDFOR
```

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Student vs. normal version
Posted by Kenneth P. Bowman on Thu, 24 Nov 2005 21:35:02 GMT
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In article <1132848333.541287.60610@o13g2000cwo.googlegroups.com>,
 nmd.oliveira@gmail.com wrote:

> Do you save 3D variables in the PNG format? (As an alternative to make
> scientific "movies"?)
> If I try to pass a 3D var to the WRITE_PNG routine I get this error
> message:

>
> % WRITE_PNG: Image array must be (n,m) or (1-4,n,m).
>
> I see the in the reference guide (pag.2523) that they refer the
> possibility of saving a 3D variable, but I can't see how.

By 3-D do you mean 24-bit?

This works for me

IDL> plot, sin(findgen(10))
IDL> write_png, 'test.png', tvrd(true=1)

For some reason PNGs need to be interleaved over the first dimension.

To make movies I write a series of PNGs and use QuickTime to convert to
a movie.

Ken Bowman

Subject: Re: Student vs. normal version
Posted by bas on Fri, 25 Nov 2005 05:18:56 GMT
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Thanks everyone for your help.

If you wanted to create a GIF, JPG, etc of some data you have plotted,
it is still possible to export this out of IDL to use in word / power
point for a presentation?

I do not need (as of now) the ability to create MPEG videos, etc.

I also read something about the arrays size you can work with is
limited in the student version. Any truth to this?

Thanks
bas

Subject: Re: Student vs. normal version
Posted by Peter Clinch on Fri, 25 Nov 2005 08:35:46 GMT
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bas wrote:

> If you wanted to create a GIF, JPG, etc of some data you have plotted,

> it is still possible to export this out of IDL to use in word / power
> point for a presentation?

JPEGs should be fine, or bitmaps or whatever, with various ways to
export using those, including a standard option in the iTools.

> I also read something about the arrays size you can work with is
> limited in the student version. Any truth to this?

My memory suggests that it /was/ true at some point. I recall
pooh-poohing a copy in the (fairly distant) past as arrays only went up
to 255 subscripts but that is *not* listed in the current limitations of
the product. And my memory may be wrong, and it might have been the
PV~Wave Personal Edition, but it looks like that particular bit of
borkenness has been unborked if it /was/ rendered braindead that way
before now.

Pete.
--
Peter Clinch Medical Physics IT Officer
Tel 44 1382 660111 ext. 33637 Univ. of Dundee, Ninewells Hospital
Fax 44 1382 640177 Dundee DD1 9SY Scotland UK
net p.j.clinch@dundee.ac.uk http://www.dundee.ac.uk/~pjclinch/

Subject: Re: Student vs. normal version
Posted by Ben Panter on Mon, 28 Nov 2005 13:06:04 GMT
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Peter Clinch wrote:

> My memory suggests that it /was/ true at some point. I recall
> pooh-poohing a copy in the (fairly distant) past as arrays only went up
> to 255 subscripts but that is *not* listed in the current limitations of
> the product. And my memory may be wrong, and it might have been the
> PV~Wave Personal Edition, but it looks like that particular bit of
> borkenness has been unborked if it /was/ rendered braindead that way
> before now.

Certainly five-or-so years ago the Matlab student offering was limited
like that, although I think it may have been a bit more than 255
subscripts... don't know about IDL pre 5.4 - but I think student
versions after that have been without this restriction.

Ben

--
Ben Panter, Garching, Germany.

Email false, http://www.benpanter.co.uk
or you could try ben at ^^^^^^^^^^^^^^^

Subject: Re: Student vs. normal version
Posted by Haje Korth on Mon, 28 Nov 2005 13:41:11 GMT
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Back when I was a sutdent, the student version was severely crippled by
limiting the maximum array size allowed. I don't remember the exact size,
but it was so limited that it was unfeasible even for (my) student
activities. Check on this before you purchase.

"bas" <bas@hawaii.edu> wrote in message
news:1132814401.156202.144200@g14g2000cwa.googlegroups.com.. .
> Hey everyone:
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> bas
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Subject: Re: Student vs. normal version
Posted by David Fanning on Mon, 28 Nov 2005 14:21:32 GMT
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Haje Korth writes:

> Back when I was a sutdent, the student version was severely crippled by
> limiting the maximum array size allowed. I don't remember the exact size,
> but it was so limited that it was unfeasible even for (my) student
> activities. Check on this before you purchase.

The original student version was crippled by a 256-x-256
array limitation. This was immediately dropped when they
realized they could count their sales of the product on
one hand. The current versions do not have this restriction
and are quite useful (and economical) for student users.

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
