Subject: Re: jpegs and tiffs

Posted by David Fanning on Tue, 25 Dec 2007 02:36:46 GMT

View Forum Message <> Reply to Message

Josh writes:

- > The following program is supposed to write two sine waves, a blue one
- > and a black one, to two different files. However, on my system, the
- > jpeg ends up with two black sine waves, whereas the tiff (as well as
- > the window on the screen) end up with a blue one and a black one as
- > desired. Any thoughts? Code is taken from Gumley, but with many
- > changes.

Well, I don't think there are *really* two black sine waves in the JPEG file. I think one of them is very dark blue and the other is black. But, you are right, it is not as blue as it is in the TIFF file. I think this is probably because of the "lossy" nature of JPEG files. I would try setting the QUALITY keyword on the WRITE_JPEG command to 100 and see if that doesn't help some.

In any case, if you choose a RED color, you will see that you are getting differences in your two lines. :-)

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: jpegs and tiffs

Posted by Josh on Thu, 27 Dec 2007 21:00:06 GMT

View Forum Message <> Reply to Message

- > Well, I don't think there are *really* two black sine
- > waves in the JPEG file. I think one of them is very dark
- > blue and the other is black. But, you are right, it is
- > not as blue as it is in the TIFF file. I think this is
- > probably because of the "lossy" nature of JPEG files.
- > I would try setting the QUALITY keyword on the WRITE_JPEG
- > command to 100 and see if that doesn't help some.

>

- > In any case, if you choose a RED color, you will see that
- > you are getting differences in your two lines. :-)

This makes sense -- unfortunately neither solution worked. I tried both

quality=100 and RED='0000FF'XL (as well as both at the same time) and I always

get two apparently black lines in the jpeg, but a colored line in the tiff.

When I try LTGRAY='CCCCC'XL, the jpeg does show the line as being light

gray. It seems that the jpeg understands grayscale.

J

Subject: Re: jpegs and tiffs

Posted by David Fanning on Thu, 27 Dec 2007 21:08:52 GMT

View Forum Message <> Reply to Message

Josh writes:

- > This makes sense -- unfortunately neither solution worked. I tried
- > both
- > quality=100 and RED='0000FF'XL (as well as both at the same time) and
- > I always
- > get two apparently black lines in the jpeg, but a colored line in the
- > tiff
- > When I try LTGRAY='CCCCCC'XL, the jpeg does show the line as being
- > light
- > gray. It seems that the jpeg understands grayscale.

Humm. Sure you are using a 24-bit display? What does HELP, /DEVICE tell you? What application are you using to view your JPEG files?

Color! Scheesh!

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.")