
Subject: Re: converting Png files to Double
Posted by [Rick Towler](#) on Mon, 05 Aug 2002 19:09:11 GMT
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It would be helpful if you post a link to an example .png file.

I am assuming you are working with a 16 bits per channel image? Photoshop isn't allowing me to write a 16 bit/channel .png so I can only use read_png with an 8 bit/channel image which returns a byte array.

Or, are you combining two 8 bit channels to get your UINT value which you are trying to convert to double? If this is the case you need to convert at least one channel to UINT before multiplying.

-Rick

"ramji digumarthi" <ramji.digumarthi@lmco.com> wrote in message
news:43689765.0208051003.c076e39@posting.google.com...

> Hi folks,
> I am currently working with BW PngFiles. I use READ_PNG command to
> read the png file. Then I try to convert data into double precision
> for some data analysis.
> It is not working as I expected. The maximum value seem to be about 3
> to 8?
>
> I see that READ_PNG is reading the file a UINT [Unsigned Integer: A
> 16-bit unsigned integer ranging from 0 to 65535]. But when I convert
> UINT to DOUBLE ,
> I am getting only values in single digits???
>
> Can any one help on item?
>
> thank
> Ramji Digumarthi

Subject: Re: converting Png files to Double
Posted by [thompson](#) on Mon, 05 Aug 2002 22:05:26 GMT
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I was able to create a 16 bit PNG file in IDL, and then read it back in again,
with the following commands

```
IDL> a=dist(100)
% Compiled module: DIST.
```

```
IDL> a=32767.*a/max(a)
IDL> write_png,'test.png',uint(a)
% Loaded DLM: PNG.
IDL> b=read_png('test.png')
IDL> help,b
B      UINT      = Array[100, 100]
IDL> print,min(b),max(b)
0 32767
```

As far as I can tell, this is a valid PNG file--it displayed correctly in Netscape.

William Thompson

"Rick Towler" <rtowler@u.washington.edu> writes:

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