
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:

> 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
