
Subject: Re: Image tranpose

Posted by [davidf](#) on Wed, 30 Jun 1999 07:00:00 GMT

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Bernard Puc (bpuc@va.aetc.com) writes:

> That was my initial guess too except that the image is both upside
> down and reversed left to right. On further inspection, it turns
> out not to be IDL related but an external C function which is the
> culprit. The image is interpolated from non-uniform data in this
> function. Now I have to see why that function behaves differently
> on different platforms.

Yes. It's not always easy to write code that works the same on
different platforms, as any software engineer at RSI would be
only too happy to tell you, I'm sure. :-)

Cheers,

David

--

David Fanning, Ph.D.

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Phone: 970-221-0438 E-Mail: davidf@dfanning.com

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155

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David Fanning wrote:

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> Bernard Puc (bpuc@va.aetc.com) writes:
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>> I'm looking for some help troubleshoooting some code. I have a 2-D
>> array, an image, which I can display using TVSCL. This works fine
>> on SGI (IDL 5.2). But, on Linux, the image is transposed. Anyone
>> seen this before?
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> I'm guessing that someone set !Order=1 in the startup file
> on one of your machines. :-)
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Subject: Re: Image tranpose
Posted by [luthi](#) on Thu, 01 Jul 1999 07:00:00 GMT
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> array, an image, which I can display using TVSCL. This works fine
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Hi

To me this sounds like a little-endian/big-endian problem. I guess you use

Linux on a Intel-processor which is little endian, opposite to SGI which is big endian. If you read your data in binary form as integer or long, this could be the clue to the problem. Then the you should either use a platform independent data storage (XDR, HDF, netCDF) or you could swap the bytes with the BYTEORDER procedure (check the documentation for the appropriate keywords).

Probably this will help

Cheers

Martin

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