
Subject: Re: BYTSCL bug!?

Posted by [David Fanning](#) on Tue, 03 Mar 2009 19:45:53 GMT

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Mingming writes:

> This is frustrating me a lot because I need to duplicate the exactly
> same numeric results in Java. But with this buggy BYTSCL, it's almost
> impossible to duplicate its behavior. Anybody has any idea what
> formula they're using internally?

I think you are asking the wrong people. Why don't
you ask the good folks at ITTVIS and report back
here with what they say.

Cheers,

David

--

David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)

Seppure ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: BYTSCL bug!?

Posted by [spidersapiens](#) on Tue, 03 Mar 2009 19:55:25 GMT

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On Mar 3, 2:45 pm, David Fanning <n...@dfanning.com> wrote:

> Mingming writes:

>> This is frustrating me a lot because I need to duplicate the exactly
>> same numeric results in Java. But with this buggy BYTSCL, it's almost
>> impossible to duplicate its behavior. Anybody has any idea what
>> formula they're using internally?

>

> I think you are asking the wrong people. Why don't
> you ask the good folks at ITTVIS and report back
> here with what they say.

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Coyote's Guide to IDL Programming (www.dfanning.com)

> Seppure ma de ni thui. ("Perhaps thou speakest truth.")

Thanks David. I have posted the same thing on their user forum. Hopefully their programmers can see it asap. I will keep you guys posted here.

Subject: Re: BYTSCL bug!?

Posted by [Michael Galloy](#) on Tue, 03 Mar 2009 22:06:45 GMT

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Mingming wrote:

> Thanks David. I have posted the same thing on their user forum.
> Hopefully their programmers can see it asap. I will keep you guys
> posted here.

I would contact support, I'm not sure anyone reads the forums.

Mike

--

www.michaelgalloy.com

Associate Research Scientist

Tech-X Corporation

Subject: Re: BYTSCL bug!?

Posted by [David Fanning](#) on Tue, 03 Mar 2009 22:14:37 GMT

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Michael Galloy writes:

> I would contact support, I'm not sure anyone reads the forums.

I don't know why, but what flashed into my mind when I read this was that wonderful haiku poem of Issa's;

Children imitating cormorants
Are even more wonderful than cormorants.

Although it went though my head like this.

Snarks without emoticons
Are even more wonderful than emoticons.

Cheers,

David

--

David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: BYTSCL bug!?
Posted by [Juggernaut](#) on Wed, 04 Mar 2009 11:35:56 GMT
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On Mar 3, 5:14 pm, David Fanning <n...@dfanning.com> wrote:
> Michael Galloy writes:
>> I would contact support, I'm not sure anyone reads the forums.
>
> I don't know why, but what flashed into my mind
> when I read this was that wonderful haiku poem
> of Issa's;
>
> Children imitating cormorants
> Are even more wonderful than cormorants.
>
> Although it went though my head like this.
>
> Snarks without emoticons
> Are even more wonderful than emoticons.
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Maybe they very well meant this...

```
IDL> print, (2+1)*(((9065-4124)-1)/(18946-4124))  
0
```

Put the parentheses in the wrong place and you'll get different arithmetic. So it would be either wrong documentation or wrong implementation. Bad either way.

Subject: Re: BYTSCL bug!?
Posted by [spidersapiens](#) on Wed, 04 Mar 2009 15:29:26 GMT
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Guys,

I have contacted their support and still waiting for their response now.

Mingming

Subject: Re: BYTSCL bug!?

Posted by [spidersapiens](#) on Wed, 04 Mar 2009 15:30:48 GMT

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On Mar 4, 6:35 am, Bennett <juggernaut...@gmail.com> wrote:

> On Mar 3, 5:14 pm, David Fanning <n...@dfanning.com> wrote:

>

>

>

>> Michael Galloy writes:

>>> I would contact support, I'm not sure anyone reads the forums.

>

>> I don't know why, but what flashed into my mind

>> when I read this was that wonderful haiku poem

>> of Issa's;

>

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>> Are even more wonderful than cormorants.

>

>> Although it went though my head like this.

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>> Snarks without emoticons

>> Are even more wonderful than emoticons.

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>> Cheers,

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>> David

>> --

>> David Fanning, Ph.D.

>> Coyote's Guide to IDL Programming (www.dfanning.com)

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> Maybe they very well meant this...

> IDL> print, (2+1)*(((9065-4124)-1)/(18946-4124))

> 0

> Put the parentheses in the wrong place and you'll get different

> arithmetic. So it would be either wrong documentation or wrong

> implementation. Bad either way.

Bennett,

That's a good guess. Thanks! I just tried that. Unfortunately, it's still not matching the result from BYTSCL on my dataset.

Mingming
