
Subject: Re: weird behaviour with cgdemodata
Posted by [ben.bighair](#) on Tue, 21 Jun 2011 15:27:07 GMT
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Hi,

On 6/21/11 10:26 AM, Jeremy Bailin wrote:

> I'm sure there's a good reason why this happens, but it has me very confused:

>

> IDL> i = 5

> IDL> print, i, n_elements(cgdemodata(i))

> 4 65536

>

> Okay, that looks fine. Now what if I put that in a for loop?

>

>

> IDL> for i=0,5 do print, i, n_elements(cgdemodata(i))

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> 0 101

> ...repeat ad infinutm, i.e. until you hit Ctrl-C

>

>

> What is going on???

>

> -Jeremy.

It looks like David overwrites the positional argument "number" in his code - which you pass in as "i". "i" keeps getting reset to 0 in the loop. It's the old pass-by-reference thing. I have posted a fix here...

<http://dl.dropbox.com/u/8433654/cgdemodata.pro>

but I'll send it along to David so he can decide what to do for the long run.

Cheers,
Ben
