
Subject: Re: weird behaviour with cgdemodata
Posted by [wlandsman](#) on Tue, 21 Jun 2011 15:19:18 GMT
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The problem is that the "input" parameter to cgdemodata is really an input-output parameter -- it is modified by cgdemodata(). For example,

```
IDL> i = 1 & print,N_elements(cgdemodata(i)) & print,i
      101
      0
```

The offending code in cgdemodata() is below. It should probably be rewritten so that the "number" parameter is left unmodified

```
FUNCTION cgDemoData_ReadData, number

IF N_Params() EQ 1 THEN BEGIN
  type = Size(number)
  type = type( type(0) + 1 )
  IF type EQ 0 THEN Message, 'Supplied argument is undefined.'
  IF type GT 5 THEN Message, 'Supplied argument must be a number.'
  number = number - 1
  number = 0 > number < 24
  data = cgDemoData_ReadData(number)
  RETURN, data
ENDIF
```
