
Subject: Congrid/Rebin Conundrum

Posted by [David Fanning](#) on Thu, 13 Sep 2007 13:11:15 GMT

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Hi Folks,

How do you explain these results?

```
.*****  
,
```

```
  Pro test
```

```
data=fltarr(4,4)
```

```
data[* ,0]=[0.145344, 0.169110,0.182731,0.122478]
```

```
data[* ,1]=[0.115594,0.0440957,0.182731,0.126002]
```

```
data[* ,2]=[0.131399, 0.135963,0.195779,0.314944]
```

```
data[* ,3]=[0.0892466,0.166040,0.208135,0.279526]
```

```
print,Total(data)/16.
```

```
print,(moment(data))[0]
```

```
print,rebin(data,1,1)
```

```
Print, "
```

```
print,congrid(data,1,1,/INTERP)
```

```
print,congrid(data,1,1)
```

```
print,congrid(data,1,1,CUBIC=1)
```

```
end
```

```
.*****  
,
```

```
IDL> test
```

```
  0.163070
```

```
  0.163070
```

```
  0.163070
```

```
  0.145344
```

```
  0.145344
```

```
  0.145344
```

I find the same problem with CMCONGRID, from Craig's library.

Cheers,

David

--

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

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