
Subject: Re: Smooth function question

Posted by [Helder Marchetto](#) on Wed, 15 Oct 2014 13:29:30 GMT

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On Wednesday, October 15, 2014 3:11:05 PM UTC+2, zolile...@gmail.com wrote:

> Dear all,

>

> I got a 3D data. I applied a SMOOTH function like smooth(a,3), the plots look fine and when I print the number of elements on the screen are equal as the original data. But when wrote to a file I found that there is a missing element or number is not corresponding with original data. I checked using excel. I am a bit confused, I need some help. Any suggestion is very welcome,

>

> Thanks

>

> Zolile

Yes, smooth is not your problem.

```
IDL> a = randomu(s,100,100,100)
```

```
IDL> help, a
```

```
A          FLOAT    = Array[100, 100, 100]
```

```
IDL> help, smooth(a,3)
```

```
<Expression>  FLOAT    = Array[100, 100, 100]
```

Your problem is writing the data and/or reading the data. Without some code to look at, it's difficult to say.

Whatever, smooth() does not change the number of elements. At the edges "strange" things might happen, but no element is lost.

cheers, Helder
