

---

Subject: Re: SMOOTH function for 3D

Posted by [Rick Towler](#) on Tue, 22 Nov 2005 18:16:19 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

IDLmastertobe wrote:

> Thanks, but I also tried doing result = SMOOTH(3Darray,[3,3,3]) and I  
> observe no difference. any ideas?

I don't mean to be rude, but how could anyone possibly answer your question given so little information? SMOOTH works fine on 3d data. I can easily observe a difference in the data:

```
IDL> x=randomu(s,3,3,3)*10.
```

```
IDL> print, x
```

```
7.79008    4.15141    7.48622
1.69548    6.31630    6.84862
7.00782    2.78159    7.85362
```

```
5.91996    0.659594   5.77286
8.38353    3.33698    9.03057
7.64424    0.474168   5.77164
```

```
3.62966    8.94523    4.11056
9.33464    1.19968    4.66864
5.79112    3.83709    1.43494
```

```
IDL> print, smooth(x,3,/edge)
```

```
5.31274    5.66250    6.01227
5.21623    5.58725    5.95827
5.11973    5.51200    5.90428
```

```
5.42783    5.47206    5.51628
5.41093    5.25468    5.09842
5.39403    5.03729    4.68056
```

```
5.54293    5.28162    5.02030
5.60563    4.92210    4.23857
5.66832    4.56258    3.45685
```

You could do something similar with your data to convince yourself that SMOOTH is working. Then you would know that your problem lies elsewhere and you could start looking for other possibilities.

-Rick

---