
Subject: Re: The Sky is Falling! (SMOOTH() edition)
Posted by [MarioIncandenza](#) on Fri, 27 Nov 2009 23:32:00 GMT
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On Nov 27, 3:25 pm, Ed Hyer <ejh...@gmail.com> wrote:
> OK, I'm sure there's a perfectly reasonable explanation. So, can
> someone explain why SMOOTH(Array, Width), when given floating-point
> arguments to both Array and Width, returns only whole numbers?
>
> Awaiting restoration of my sanity,
>
> --Edward H.

/EDGE_TRUNCATE. You're welcome.

Subject: Re: The Sky is Falling! (SMOOTH() edition)
Posted by [M. Katz](#) on Sat, 28 Nov 2009 01:44:17 GMT
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I see the following:

```
IDL> print, smooth([1,5,1,1], 3) ;--- both are integer type
      1      2      2      1
IDL> print, smooth([1,5,1,1], 3.) ;--- integer array
      1      2      2      1
IDL> print, smooth([1.,5.,1.,1.], 3) ;--- integer width
      1.00000      2.33333      2.33333      1.00000
IDL> print, smooth([1.,5.,1.,1.], 3.) ;--- all floating-point
      1.00000      2.33333      2.33333      1.00000
```

Similar for 2D arrays.
-M.
