
Subject: smooth() bug in (at least) version 8.5.1

Posted by [Helder Marchetto](#) on Fri, 02 Dec 2016 14:03:23 GMT

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Hi,

I came across this bug and it's a "heavy" one, meaning that IDL crashes and you're thrown back out.

The crashing commands are (try at own risk!):

```
sm = smooth(indgen(512,511), 9, /edge_mirror)
```

```
sm = smooth(indgen(512,510), 9, /edge_mirror)
```

And just to be pedantic, I've tested a few other cases and these did NOT result in a crash:

```
sm = smooth(indgen(512,512), 9, /edge_mirror)
```

```
sm = smooth(indgen(511,511), 9, /edge_mirror)
```

It appears that smooth (stopped?) being able to smooth rectangular arrays.

By running the above from the command line I get the following error (for a couple of seconds on the command line terminal):

```
% Array has a corrupted descriptor: <no name>
```

```
% Execution halted at: $Main$
```

And my IDL version.

```
IDL> !version
```

```
{  
  "ARCH": "x86_64",  
  "OS": "Win32",  
  "OS_FAMILY": "Windows",  
  "OS_NAME": "Microsoft Windows",  
  "RELEASE": "8.5.1",  
  "BUILD_DATE": "Nov 14 2015",  
  "MEMORY_BITS": 64,  
  "FILE_OFFSET_BITS": 64  
}
```

I others are brave enough, could you let me know if it crashes on other versions of IDL?

Edge_mirror and _wrap have been added only in 8.1.

Cheers,

Helder
