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Subject: Re: SIGN function: signof(num or array of num)  
Posted by [Ding](#) on Tue, 16 Mar 2010 16:17:54 GMT  
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On Mar 16, 3:46 pm, Carsten Lechte <c...@toppoint.de> wrote:

```
> Ding wrote:
>> IDL> a=[[1,0],[-1,0]]
>> IDL> print,signof(a)
>>   1  0
>>  -1  0
>
> Still, you should mention under RESTRICTIONS that the
> input must be an integer type:
>
> IDL> a=[[1,0],[-1,0]]
> IDL> print, signof(a)
>   1   0
>  -1   0
> % Program caused arithmetic error: Integer divide by 0
> IDL> print, signof(double(a))
>   1 -32768
>  -1 -32768
> % Program caused arithmetic error: Floating illegal operand
> IDL> print, signof(complex(a))
>   1 -32768
>  -1 -32768
> % Program caused arithmetic error: Floating illegal operand
>
> chl
```

This is all the information I have, including the !version:

```
IDL> print,!version
{ x86_64 linux unix linux 6.4 Apr 26 2007   64   64}
IDL> print,a
   1   0
  -1   0
IDL> print,double(a)
  1.0000000  0.0000000
 -1.0000000  0.0000000
IDL> print,complex(a)
(  1.00000,  0.00000)(  0.00000,  0.00000)
( -1.00000,  0.00000)(  0.00000,  0.00000)
IDL> print,signof(a)
   1   0
  -1   0
% Program caused arithmetic error: Integer divide by 0
IDL> print,signof(double(a))
```

```
1 0
```

```
-1 0
```

```
% Program caused arithmetic error: Floating illegal operand
```

```
IDL> print,signof(complex(a))
```

```
1 0
```

```
-1 0
```

```
% Program caused arithmetic error: Floating illegal operand
```

```
IDL>
```

Let's compare the version of the result and see if it is IDL or processor that cause the difference!

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