
Subject: Re: SHIFT Function

Posted by [Yngvar Larsen](#) on Tue, 28 Feb 2012 18:00:26 GMT

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On Feb 28, 8:05 am, zolile mtumela <zolilemtum...@gmail.com> wrote:

```
> I got centre frequency(freq_centre=2.35e-3),
> From the data, period (T=20), number of elements( Ny=360), data for
> 2hours.
> freq_centre = 2.35e-3
> Freqc=(freq_centre/(1/(Ny*T)))
> print,freqc
[...]
```

```
> On calculating Freqc , I supposed to get around 17 but on the program
> its print infinite ,
```

My guess is that you are doing integer division in the denominator.

```
IDL> T = 20
```

```
IDL> Ny = 360
```

```
IDL> print, 1/(Ny*T)
```

```
0
```

```
IDL> freq_centre = 2.35e-3
```

```
IDL> print, freq_centre/(1/(Ny*T))
```

```
Inf
```

```
% Program caused arithmetic error: Floating divide by 0
```

```
IDL> print, freq_centre/(1./(Ny*T))
```

```
16.9200
```

```
--
```

```
Yngvar
```

Subject: Re: SHIFT Function

Posted by [zolile mtumela](#) on Tue, 28 Feb 2012 18:20:48 GMT

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On Feb 28, 8:00 pm, Yngvar Larsen <larsen.yng...@gmail.com> wrote:

```
> On Feb 28, 8:05 am, zolile mtumela <zolilemtum...@gmail.com> wrote:
>
```

```
>> I got centre frequency(freq_centre=2.35e-3),
>> From the data, period (T=20), number of elements( Ny=360), data for
>> 2hours.
```

```
>> freq_centre = 2.35e-3
```

```
>> Freqc=(freq_centre/(1/(Ny*T)))
```

```
>> print,freqc
```

```
> [...]
```

```
>> On calculating Freqc , I supposed to get around 17 but on the program
```

```
>> its print infinite ,
```

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>  
> My guess is that you are doing integer division in the denominator.  
>  
> IDL> T = 20  
> IDL> Ny = 360  
> IDL> print, 1/(Ny*T)  
>      0  
> IDL> freq_centre = 2.35e-3  
> IDL> print, freq_centre/(1/(Ny*T))  
>      Inf  
> % Program caused arithmetic error: Floating divide by 0  
> IDL> print, freq_centre/(1./(Ny*T))  
>      16.9200  
>  
> --  
> Yngvar
```

thank you so much, Its working as you showed!
