
Subject: SHIFT Function

Posted by [zolile mtumela](#) on Tue, 28 Feb 2012 07:05:50 GMT

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Hi all

I am experiencing some problems to my program, I real need some advice and help,

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
```

```
;condition
```

```
For j=Ny/2, Ny-1 do filterdata(j) = 0
```

```
    filterdata = 2*filterdata
```

```
spec = shift(filterdata, -freqc)
```

```
plot,freq,abs(spec)
```

On calculating Freqc , I supposed to get around 17 but on the program its print infinite , i want to shift by -17 based to definition of Freqc.

example of data

				x	
y	z				
2006-10-06 20:00:10.000	279	9.36	-14.99	15.25	99999.00
2006-10-06 20:00:30.000	279	9.84	-14.70	15.00	99999.00
2006-10-06 20:00:50.000	279	10.74	-14.69	14.75	99999.00
2006-10-06 20:01:10.000	279	11.43	-14.54	14.25	99999.00
2006-10-06 20:01:30.000	279	11.63	-13.78	15.00	99999.00
2006-10-06 20:01:50.000	279	12.04	-13.15	15.75	99999.00
2006-10-06 20:02:10.000	279	13.08	-12.93	16.50	99999.00
2006-10-06 20:02:30.000	279	14.25	-12.49	17.25	99999.00
2006-10-06 20:02:50.000	279	13.76	-11.88	17.50	99999.00
2006-10-06 20:03:10.000	279	12.99	-11.68	18.50	99999.00

But I was using y-component at the moment.

This looks easy but I am very struggling to finger out it, please help.

Thanks in advance for your time.

Zolile
