
Subject: Flow3 procedure

Posted by [adharac](#) on Thu, 06 May 2004 17:24:25 GMT

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Hello,

1. Can someone tell me why do I get an error message that says:

```
% FLOW3: Incorrect number of arguments.
```

```
% Execution halted at: $MAIN$          49 C:\RS\IDL55\lib\velocity3.pro
```

When I include in the FLOW3 argument the sx,sy,sz arrays?

2. If I erase sx,sy,sz, my vectors appear extremelly small! How can I fix this?

Regards,
Hector

```
openr,q,'Vel.dat',/Get_Lun    ;open files for reading
```

```
A=fltarr(6,90*360L)    ;create arrays to hold data in files
```

```
readf,q,A    ;read files into arrays
```

```
Free_Lun,q    ;close files and clear logical unit assigned to each file
```

```
Vx=fltarr(360,360,90)    ;create 3 dimensional arrays to hold vector data.
```

```
Vy=fltarr(360,360,90)    ;the indices will be Vx(x,y,z)
```

```
Vz=fltarr(360,360,90)
```

```
factor = 10
```

```
For i = 0, 32399L Do Begin    ;change here the number of records ifneeded.
```

```
; (0) first column of the array is z    (0<z<90)
```

```
; (1) second column of the array is y    (constant)
```

```
; (2) third column of the array is x    (0<x<360)
```

```
; (3) fourth column of the array is Vx
```

```
; (4) fifth column of the array is Vy
```

```
; (5) sixth column of the array is Vz
```

```
Vx(A(2,i)-1,A(1,i)-1,A(0,i)-1) = A(3,i)*10.0^factor
```

```
Vy(A(2,i)-1,A(1,i)-1,A(0,i)-1) = A(4,i)*10.0^factor
```

```
Vz(A(2,i)-1,A(1,i)-1,A(0,i)-1) = A(5,i)*10.0^factor
```

Endfor

vol = FLTARR(360, 360, 90)

WINDOW, XSIZE = 390, YSIZE = 400

;CREATE_VIEW, XMAX = 360, YMAX = 360, ZMAX = 100

Scale3, zr=[0,90], yr=[0,360], xr = [0,360] ;create 3D scaling system

sx=A[2,*]

sy=A[1,*]

sz=A[0,*]

Flow3, Vx, Vy, Vz, sx,sy,sz

end
