
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:\RSI\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
```
