Subject: Re: how to read a data file
Posted by Paul Van Delst[1] on Wed, 03 May 2006 21:50:43 GMT
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nalaka.kodituwakku@gmail.com wrote:
> Paul Van Delst wrote:
>> nalaka.kodituwakku@gmail.com wrote:
>>
>>> Yes, I did before puting this post but seems like there is some thing
>>> that i do wrong.
>>>
>>> This the code i wrote to read the first line. hopeing if this works i
>>> could write a loop to read the rest. but didn't work.Can some one see
>>> waht is wrong here? I tried with out the format too.this is the code
>>>
>>> pro import_test
>>>
>>> cts=INTARR(500)
>>> Lable1=STRARR(500)
>>> xvalues = fltarr(500)
>>> yvalues = fltarr(500)
>>> zvalues = fltarr(500)
>>> Atom=STRARR(500)
>>>
>>>
>>> openr, 105, 'sym1.mol2'
>>>
>>> readf, 105, c, l, x, y, z, a, format='(d2, A3, f5.4, f5.4, f5.4, a2)'
>>> print, c, l, x, y, z, a, format='(d2, a3, f5.4, f5.4, f5.4, a2)'
>>
>>
>>
>> what are c, l, x, y, z, a ?
>>
>> what error does IDL spit back at you?
>>
> As in the first post i have 6 coloums. I am trying to read the first
> row. so "c, l, x, y, z, a" are my 6 datas in first row.

Yes, but my point was that you do the following:
  cts=INTARR(500)
  Lable1=STRARR(500)
  xvalues = fltarr(500)
  yvalues = fltarr(500)
  zvalues = fltarr(500)
  Atom=STRARR(500)
but then use
  c, l, x, y, z, a

to do the reading.

How is IDL to know what type each of those variables are? Maybe it can figure it out from the context, but I doubt it (and wouldn't trust it if it could :o)

What happens if you do something like:

```
cts=INTARR(500) &      c=cts[0]
Lable1=STRARR(500) &    l=Lable1[0]
xvalues = fltarr(500) & x=xvalues[0]
yvalues = fltarr(500) & y=yvalues[0]
zvalues = fltarr(500) & z=zvalues[0]
Atom=STRARR(500) &      a=Atom[0]

openr, 105, 'sym1.mol2'

readf, 105, c, l, x, y, z, a, format='(d2, A3, f5.4, f5.4, f5.4, a2)'
print, c, l, x, y, z, a, format='(d2, a3, f5.4, f5.4, f5.4, a2)'
```

?

paulv

p.s. I think I got the syntax right, but not sure.

p.p.s. Is "d2" a valid format specifier? Maybe you meant "i2"?

--
Paul van Delst   Ride lots.
CIMSS @ NOAA/NCEP/EMC   Eddy Merckx
Ph: (301)763-8000 x7748
Fax:(301)763-8545