
Subject: Re: Anyone using IUE software library in IDL?

Posted by wlandsman@jhu.edu on Sun, 27 May 2007 03:28:11 GMT

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On May 26, 6:03 pm, "Richard G. French" <rfr...@wellesley.edu> wrote:

> I have a colleague who is trying to use the IDL library of routines to
> analyze IUE (UV stellar spectra) data. I downloaded the latest IUE library
> for her, and now it seems that every routine requires that the structure
> variable !iuer be defined somewhere.>

I have an old IUE startup file that defines !IUER this way.

```
location = '/stis0/data31/landsman/rdaf/'
defsysv,'!iuer',{dat:location + 'iuelib/dat', $
               exe:location + 'iuelib/exe/', $
               inf:location + 'iuelib/inf/', $
               expr:location + 'experimental/', $
               mlog:location + 'database/mergelog/', $
               kandp:location + 'database/kandp/', $
               stds:'/opt/local/src/iue/iueatlas/stdstars/', $
               database:location + 'database/mergelog/.' + location
+ $
               'database/kurucz/.'+location+'database/copern/'}
```

so that it is a structure where each tag is a scalar string giving a directory name (e.g. where the data files are located, where the experimental procedures are located, where the standard star library is located, etc.)

IDL> help,/str,!iuer

```
** Structure <1f8828>, 8 tags, length=128, data length=128, refs=2:
  DAT      STRING  '/stis0/data31/landsman/rdaf/iuelib/
dat'...
  EXE      STRING  '/stis0/data31/landsman/rdaf/iuelib/
exe'...
  INF      STRING  '/stis0/data31/landsman/rdaf/iuelib/
inf'...
  EXPR     STRING  '/stis0/data31/landsman/rdaf/
experiment'...
  MLOG     STRING  '/stis0/data31/landsman/rdaf/database/
m'...
  KANDP    STRING  '/stis0/data31/landsman/rdaf/database/
k'...
  STDS     STRING  '/opt/local/src/iue/iueatlas/stdstars/'
  DATABASE STRING  '/stis0/data31/landsman/rdaf/database/
m'...
```

I haven't actually used the IUE software (<http://archive.stsci.edu/iue/>)

iuedac.html) for about 4 years, so no guarantees... --Wayne

--Wayne
