Subject: Syntax mistake?
Posted by Ben Panter on Mon, 09 May 2005 12:14:44 GMT

Dear All,

   I'm well aware the answer to this query will become apparent as
soon as I touch "send", but I've spent too long this morning trying to
work out what's going on with zero sucess...

   I pick out positive values from an array called age_val, and try to
find where they sit with respect to precalculated grid points. The grid
points are at postions "age_val", a monotonic series. I call interpol,
and get the resonse, "% Arrays are allowed 1 - 8 dimensions.", yet I'm
sure that this has worked fine in the past...

   In fact, the plot thickens. When I look, interpol hasn't even
compiled, so it's probably something wrong with the syntax, but what?

   Any suggestions?

    thanks,

      Ben

```
IDL> help
% At $MAIN$
AGE_VAL        DOUBLE    = Array[25]
A_TRACE        DOUBLE    = Array[100, 4]
LOC        LONG     = Array[141]
SCALED_AGE     FLOAT     = Array[100, 4]
Compiled Procedures:
   $MAIN$

Compiled Functions:


IDL>
 scaled_age[loc]=interpol(findgen(age_val),alog10(age_val),al og10(a_trace[loc]))
% Arrays are allowed 1 - 8 dimensions.
% Execution halted at: $MAIN$

;so I tried something else, worried that it might be a problem with the
;[] of an array rather than a vector

IDL> ages=alog10(a_trace[loc])
IDL>  scaled_age[loc]=interpol(findgen(age_val),alog10(age_val),ag es)
% Arrays are allowed 1 - 8 dimensions.
```

% Execution halted at: $MAIN$

IDL> help
% At $MAIN$
AGES   DOUBLE   = Array[141]
AGE_VAL   DOUBLE   = Array[25]
A_TRACE   DOUBLE   = Array[100, 4]
LOC   LONG   = Array[141]
SCALED_AGE   FLOAT   = Array[100, 4]
Compiled Procedures:
    $MAIN$

Compiled Functions:

IDL> help, /source
Compiled Procedures:
$MAIN$

Compiled Functions:
PATH_SEP
/afs/ipp/common/soft/idl.6.1/idl_6.1/lib/path_sep.pro
STRSPLIT
/afs/ipp/common/soft/idl.6.1/idl_6.1/lib/strsplit.pro
UNIQ   /afs/ipp/common/soft/idl.6.1/idl_6.1/lib/uniq.pro

IDL> result=interpol(findgen(age_val),alog10(age_val),ages)
% Arrays are allowed 1 - 8 dimensions.
% Execution halted at: $MAIN$

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  Ben Panter, Garching, Germany
  email via www.benpanter.co.uk