
Subject: Syntax mistake?

Posted by [Ben Panter](#) on Mon, 09 May 2005 12:14:44 GMT

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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 success...

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 positions "`age_val`", a monotonic series. I call `interpol`, and get the response, "% 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),alog10(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),ages)
% 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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