
Subject: "foreach" loops in IDL

Posted by [alaniwiusenet](#) on Fri, 16 Jan 2009 18:30:24 GMT

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In case anyone's interested, I've produced a little hack that lets you have "foreach" loops in IDL, i.e. loop over the contents of an array. It would be nice if the syntax were to let you have something like:

```
for myval in myarray do begin
    print, myval
endfor
```

Unfortunately it doesn't, unless I've missed something somewhere. And it's just a little fiddly to have to loop over an array index every time, e.g.:

```
for i=0, n_elements(myarray) - 1 do begin
    myval = myarray[i]
    print, myval
endfor
```

The hack lets you use the following syntax:

```
foreach, 'myval', myarray
@do
    print, myval
@done
```

and nested loops are supported.

If anyone is interested in having this, grab this a (tiny) download, that contains a few short files to put somewhere in your IDL_PATH:

<http://home.badc.rl.ac.uk/iwi/idl-foreach.tar.gz>

Regards,
Alan

P.S. Please note that I do not read this mailbox. Do a web search for "Alan Iwi" if you want my email address.
