
Subject: Re: arrays vs. functions conflicts

Posted by [Paolo Grigis](#) on Fri, 05 Mar 2004 16:38:02 GMT

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Wayne Landsman wrote:

```
>
>> But before going on, I just wanted to know if there is an
>> easier way out of this that I have overlooked (and no, I
>> definitely do not want to override useful programs written
>> by others with my own []-version, only to start all over
>> again each time a new version or bug fix of the routine
>> comes out).
>
>
> You might try the program idlv4_to_v5.pro in
> http://idlastro.gsfc.nasa.gov/ftp/contrib/landsman/v5/
> which does an automatic replacement of () subscripts with [] using
> ROUTINE_INFO() to check whether a variable is an array or a function.
> It works about 99% of the time though occasionally gets confused by
> multiple lines or execute statements. You can then add a
> compile_opt idl2 to ensure that IDL knows the difference.
> You might then give the [] version to the developers of the routines and
> tell them that "nobody is using V4.0 or earlier anymore...."
>
> --Wayne
>
```

Dear David, Wayne, Paul

thanks for your replies.

Well, that's exactly what I feared: no way out!

Just to show you how common the problem is one can try:

```
utplot,[1,2,3],[1,2,3],0
mpfit
```

or, if you don't have utplot,

```
.comp
function limits
end
```

```
mpfit
```

Even if utplot might not be as widespread as mpfit, I guess there are quite a few people around using both of them...

Dear Craig,

should you ever feel like giving up idl 4, I think you could be surprised how many people might volunteer to help you translating some code to []-notation!

Greetings,
Paolo

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