
Subject: Re: Declaring large vectors in IDL
Posted by [fgg](#) on Tue, 20 Apr 2010 21:46:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

> If you want to preserve the variable names in your file, then once you
> have an array of variable names from your gettok call, you use
> EXECUTE:
>
> for i=0,n_data-1 do dummy = execute(variable_names[i]+'=
> double(strsplit(data[i],",",/extract))'
>
> where you can replace "double" with whatever type conversion function
> you like.

Hey Gray,

I included 'execute' in the code but it didn't help. When I run the procedure the variables are not added to the variables view. For instance, if you run this procedure:

```
pro test
heads=['a', 'b', 'c']
data = ['1 2 3', '4 5 6', '7 8 9']
for i=0,2 do dummy = execute(heads[i]+'=double(strsplit(data[i],",",/
extract)))'
end
```

"a", "b", and "c" will not be added to the variables view (with values '1 2 3', '4 5 6', and '7 8 9', respectively). Is that what you suggested? I replaced the 4th line with:

```
for i=0,2 do dummy = execute(heads[i]+'=['+strjoin(strsplit(data[i],/
extract),', ')+']')
```

...and it didn't work either.

pp, you are right. The procedure declaration is missing here but it is actually included in the original *.pro file. Your suggestion worked. If I compile this procedure:

```
pro test, a, b, c
heads=['a', 'b', 'c']
data = ['1 2 3', '4 5 6', '7 8 9']
for i=0,2 do dummy = execute(heads[i]+'=['+strjoin(strsplit(data[i],/
extract),', ')+']')
```

end

... and then enter "test, a, b, c" at the IDL prompt, "a", "b", and "c" are added to the variables view with the respective values. The only problem is that I'm actually dealing with many different variables. Is it possible to call "test", getting the variables name from "heads" (the variable containing the names) instead of typing each name? (i.e. a, b, c...). If so, I guess the first line of the procedure would need to be changed as well, right?

Thanks you all for the help!
