
Subject: Re: Working with lists

Posted by [Helder Marchetto](#) on Mon, 03 Jun 2013 19:21:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Monday, June 3, 2013 7:39:46 PM UTC+2, fgg wrote:

> Hello,

>

>

>

> I have a string array that looks like this (with the exception that the numbers actually vary from element to element):

>

>

>

> str = replicate('1000 1000.1515 400 40', 10)

>

>

>

> Is there a simple way to extract these numbers to a 4 by 10 array without using loops? I've tried the following, but it doesn't work:

>

>

>

> str = strsplit(str, /extract)

>

> array = str.ToArray(type='float')

>

>

>

> % LIST::TOARRAY: Unable to convert to type FLOAT: Element 7

>

> % Error occurred at: LIST::TOARRAY

>

> % \$MAIN\$

>

> % Execution halted at: \$MAIN\$

>

>

>

> What's the problem with this?

>

>

>

> Thanks!

How about this:

IDL> str = strsplit(str, /extract)

```
IDL> str = replicate('1000 1000.1515 400 40', 10)
IDL> str = strsplit(str, /extract)
IDL> array = float(str.ToArray() )
IDL> help, array
ARRAY      FLOAT    = Array[10, 4]
IDL> print, array[*,0]
  1000.00   1000.00   1000.00   1000.00   1000.00   1000.00   1000.00
 1000.00   1000.00
```

Cheers,
Helder
