
Subject: Re: Reading formatted input with READS

Posted by [Markus Schmassmann](#) on Thu, 01 Sep 2016 14:15:56 GMT

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On 09/01/2016 10:55 AM, Markus Schmassmann wrote:

> On 09/01/2016 05:27 AM, Stefano Garcia wrote:

>> This is my first post so please let me know if I posted it in the
>> wrong place.

>>

>> My problem is purely that I am not yet familiarized with the IDL
>> formats. I would like to use READS to read what is in between the
>> square brackets below:

>>

>> %M.z 20.37 [~] D 2011A&A...527A..78F

>> %M.z 20.37 [0.12] D 2011A&A...527A..78F

>>

>> So, there is two cases, one when it is a STRING and the other, when
>> it is a FLOAT.

>>

>> Is there a way to read that?

> one way to read the string is the following:

>

> str=strMid(string,strPos(string,['')+1,strPos(string,']')-strPos(string,['')-1)

>

> fltRegex='^[-+]?(((0-9)*\.[0-9]+([ed]([-+]?[0-9]+)?))|(inf)|(nan))\$'

> isFloat=stRegex(str,fltRegex,/boolean,/fold_case)

> if isFloat then out=float(str) else out=str

>

> if you want to do it with READS, you should first figure out which terms

> in your table have a fixed with, this will simplify considerably coming

> up with a correct format code. For details on these, see:

>

> http://www.harrisgeospatial.com/docs/format_codes.html

made an error with the regex, hope this one is correct now:

```
fltRegex='^[-+]?((((0-9)*\.[0-9]+)|([0-9]+\.[0-9]*))([ed]([-+]?[0-9]+)?))|(inf)|(nan))$'
```