Subject: Re: extract numbers from string
Posted by Benjamin Hornberger on Tue, 21 Jun 2005 22:20:52 GMT
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#### Tobi wrote:

- > i have a data file with a header that has several lines, which i read
- > with
- >
- > readf,1,firstline
- > readf,1,secondline
- > ...
- >
- > firstline is a string that looks like
- > xpixels = 1024

>

- > i am trying to convert this to a variable called nx which has the value
- > 1024.

>

> is there a clean and easy way to do this?

>

According to the IDL docs, quoted strings can be used only on output, not on input, so you can't just use a format code. It looks like you have to cut off "xpixels = " with strmid() and then use fix() or long() to convert "1024" to a number.

If you explicitly want to make sure the "xpixels = " part is present, you could use regular expressions, and with them extract the number (again as a string, then convert to a number).

### Benjamin

Subject: Re: extract numbers from string Posted by Tobi on Wed, 22 Jun 2005 14:24:07 GMT

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#### Thanks Ben!

i also just found the STRSPLIT command which i am now using to extract the number (in my case the number is in the third place).

temp=strsplit(firstline,/extract)
nx=fix(temp[2])

Subject: Re: extract numbers from string

# Posted by David Fanning on Wed, 22 Jun 2005 14:29:53 GMT

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## Haje Korth writes:

- > Pretty clever, I guess I am one of the only IDL programmers out here that is
- > not using the execute function.

Yeah, but everything you write, Haje, runs on the VM. :-)

Cheers,

David

--

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Coyote's Guide to IDL Programming: http://www.dfanning.com/