Subject: Re: extracting numbers
Posted by Klaus Scipal on Thu, 23 Mar 2006 07:43:08 GMT

Try following

```
tmp=strsplit(string,['=/'],/extract)
number=float(tmp[1])
```

cheers, Klaus

<kl_tah@hotmail.com> wrote in message
 news:1143089539.095096.210300@u72g2000cwu.googlegroups.com.. .
> Hi, does anyone happen to know how to extract a sequence of numbers
> (including the sign) between two characters? for eg. I have
>
> AAAA = -23.445 /BBBBB
> and could like to extract the number between '=' and '/'
>
> cheers,
>

Subject: Re: extracting numbers
Posted by Ken Mankoff on Thu, 23 Mar 2006 14:34:16 GMT

On Wed, 22 Mar 2006 kl_tah@hotmail.com wrote:
> Hi, does anyone happen to know how to extract a sequence of
> numbers (including the sign) between two characters? for eg. I
> have
>
> AAAA = -23.445 /BBBBB
> and could like to extract the number between '=' and '/'

IDL> print, stregex(string, "[0-9.\-]+", /subexpr, /extract)

works in the example above. More generally, removing all letters
would be this:

IDL> print, stregex(string, "[^a-zA-Z]+", /subexpr, /extract)

But you get the = and the trailing "/".

IDL> print, stregex(string, "[^\ \=a-zA-Z\/]+", /subexpr, /extract)

removes all spaces, equals, letters, and / characters...

  -k.

Subject: Re: extracting numbers
Posted by Norbert Hahn on Thu, 23 Mar 2006 16:06:49 GMT
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kl_tah@hotmail.com wrote:

> Hi, does anyone happen to know how to extract a sequence of numbers
> (including the sign) between two characters? for eg. I have
>
> AAAA = -23.445 /BBBBB
> and could like to extract the number between '=' and '/'
>
> cheers,

Depending on the positions in the string you may as well _read_ from a
string using the procedure reads:

buffer = "AAAA = -23.445 /BBBBB"
reads, buffer, z, format='(6x,f8.3)'
help, z
Z   FLOAT   =   -23.4450

HTH
Norbert