Subject: stregex with multiple matches Posted by PMan on Thu, 29 May 2014 18:31:11 GMT

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Hello,

Can stregex match an expression multiple times? It seems not, but I get the feeling there ought to be a way to do so. For example:

```
IDL > time\_regex = '([01][0-9][2[0-3]):([0-5][0-9]):([0-5][0-9])'
```

```
IDL> timeStr = '10:21:41"
IDL> print, stregex(timeStr, time_regex)
0
```

Ok, that is what expected

```
IDL> timeStr = '10:21:41 - 11:32:00"
IDL> print, stregex(timeStr, time_regex)
0
```

But in the second example, why aren't there two matches? can I change my regex in some why to get multiple matches?

Thanks

> Hello.

>

Subject: Re: stregex with multiple matches Posted by PMan on Thu, 29 May 2014 18:41:25 GMT View Forum Message <> Reply to Message

On Thursday, May 29, 2014 2:31:11 PM UTC-4, Paul Mallas wrote:

```
>
>
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>
>
```

```
> 
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I just noticed the quote/double quote mis-match, but the result is the some

```
Subject: Re: stregex with multiple matches
Posted by PMan on Thu, 29 May 2014 18:42:38 GMT
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On Thursday, May 29, 2014 2:31:11 PM UTC-4, Paul Mallas wrote:
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>
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```
>
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>
> Thanks
```

I just noticed my quote/double quote mis-match, but the result is the same.

Subject: Re: stregex with multiple matches Posted by Matthew Argall on Thu, 29 May 2014 23:59:16 GMT View Forum Message <> Reply to Message

>> Can stregex match an expression multiple times?

Not that I am aware of. You have to repeat the search string twice (note I added "[^0-9]*" to the end of the regex).

```
nRepeats = 2
time\_regex1 = '([01][0-9]|2[0-3]):([0-5][0-9]):([0-5][0-9])[^0-9]^*
time_regex = strjoin(replicate(time_regex1, nRepeats))
timeStr = '10:21:41 - 11:32:00'
print, stregex(timeStr, time_regex, /SUBEXP, /EXTRACT)
If you have no way of knowing how many times you will have, you can make the whole expression
optional.
nRepeats = 5
time_{regex1} = (([01][0-9]|2[0-3]):([0-5][0-9]):([0-5][0-9])[^0-9]^*)?'
time_regex = strjoin(replicate(time_regex1, nRepeats))
timeStr = '10:21:41 - 11:32:00'
result = stregex(timeStr, time_regex, /SUBEXP, /EXTRACT)
for i = 0, 12 do print, result[i]
10:21:41 - 11:32:00
10:21:41 -
10
21
41
11:32:00
11
```

32 00