
Subject: Re: stregex with multiple matches

Posted by [Matthew Argall](#) on Thu, 29 May 2014 23:59:16 GMT

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>> 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
```