
Subject: function to convert string to array???

Posted by [davis](#) on Wed, 15 Mar 1995 19:45:40 GMT

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Hi,

I was wondering if there is a routine that will read a string and convert it to an array of floats. For example,

```
str = " 10.8 8.4          9.3";  
x = string_to_array (str);
```

would yield an array of 3 elements: x = [10.8 8.4 9.3]

whereas string_to_array (" 20.1 9.2") yields the two element array [20.1 9.2]. Here is my implementation of this:

```
FUNCTION string_to_array, str  
  str = strtrim (strcompress (str), 2);  
  maxpos = strlen (str)  
  
  this_pos = 0  
  n = 1  
  
  while (1) do begin  
    this_pos = strpos (str, " ", this_pos)  
    if (this_pos eq -1) then goto, break1  
    n = n + 1  
    this_pos = this_pos + 1  
  endwhile  
  break1:  
  
  a = fltarr (n);  
  
  ; Now go back and fill the array  
  
  maxlen = strlen (str)  
  
  for i = 0, n - 2 do begin  
    reads, str, ai  
    a(i) = ai  
    str = strmid (str, 1 + strpos (str, " ", 0), maxlen)  
  endfor  
  ;  
  ; Now the last element  
  ;  
  reads, str, ai  
  a(n - 1) = ai
```

return, a

END

Thanks,
--John
