
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);
  maxlen = 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 = filtarr (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
