
Subject: Re: Padding arrays - vector subscripts not working

Posted by [James\[2\]](#) on Tue, 06 Jul 2010 18:38:14 GMT

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OK, I tried using your method, but it seemed to only take the first dimension of Y. Here's the function I used:

```
function pad, array, dims
```

```
    ;error checking, etc. removed for more compact newsgroup post
```

```
    type = size(array, /type)
    out = make_array(dims, type=type)
```

```
    ;calculate where to put the original array in the new
    sz = size(array, /dimensions)
    diff = (dims - sz)/2
```

```
    strides = [1L, product(dims, /integer, /cumulative)]
    start = total(strides*diff, /integer)
```

```
    out[start] = array
    return, out
end
```

And here is an example of its output:

```
IDL> test = replicate(4,3,3)
IDL> padtest = pad(test, [5,6])
IDL> print, padtest
  0   0   0   0   0
  0   4   4   4   0
  0   0   0   0   0
  0   0   0   0   0
  0   0   0   0   0
  0   0   0   0   0
```