On Tue, 9 Oct 2001, Mark Hadfield wrote:

> From: "Ken Mankoff" <mankoff@lasp.colorado.edu>
>> I am interested in creating circular arrays, where subscripts that would
>> be out-of-bounds on a regular array just start indexing on the other side
>> of the array.
>
> You can do quite a lot with ordinary arrays using arrays of indices, eg
>
>   a = indgen(10)
>   print, a[[0,10,20,100] mod n_elements(a)]
>

This is the technique I have been using. However there are 2 cases it does
not cover:

1) negative indexes require a few more lines of code to get your example
to work. I would recode it as:

a = indgen(10)
indexes = [0,10,20,100,-10,-22]   ;;; or some other values...
ind = indexes mod n_elements(a)
neg = where(ind lt 0, num)
if (num ne 0) then ind[neg] = ind[neg] + n_elements(a)
print, a[ind]

2) subscript ranges. You cannot do:
  print, a[8:12 mod n_elements(a)]

It is these two specific abilities that I would like to have.

-k.

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