
Subject: Re: anyone has "indgen_array.pro"?
Posted by [wgallery](#) on Tue, 27 May 2008 16:56:00 GMT
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On May 27, 12:17 pm, Likun <Likun.W...@gmail.com> wrote:

> Hi, All:
>
> I am using lonlat2reg.pro to process my data. The code stopped
> somewhere and needed the program called
> "indgen_array". Anyone knows where I can access to it?
>
> Thank you in advance,
>
> $glon = indgen_array(nlon, nlat, /lon) * dlon + lon0[0] + dlon /$
> 2.
> $glat = indgen_array(nlon, nlat, /lat) * dlat + lat0[0] + dlat /$
> 2.
>
> Likun~

Likun,

It can be found in the same place as lonlat2reg.pro and is part of
Peter Alberts map_image package found at:

<http://wew.met.fu-berlin.de/idl/>

However, that link appears to be dead so here is indgen_array.pro.

Bill Gallery

function indgen_array, x_size, y_size, \$
latitude = latitude, longitude = longitude

```
;IDL> print, indgen_array(3, 4, /lat)
;      0      0      0
;      1      1      1
;      2      2      2
;      3      3      3
;IDL> print, indgen_array(3, 4, /lon)
;      0      1      2
;      0      1      2
;      0      1      2
;      0      1      2
```

```
if keyword_set(longitude) then begin
  xxx = indgen(x_size)
  yyy = intarr(y_size) + 1
endif
```

```
if keyword_set(latitude) then begin
  xxx = intarr(x_size) + 1
  yyy = indgen(y_size)
endif
return, yyy ## xxx
```

```
end
```

Subject: Re: anyone has "indgen_array.pro"?
Posted by [Likun](#) on Tue, 27 May 2008 18:25:45 GMT
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Hi, Bill:

Got it. Thank you very much,

Likun~

On May 27, 12:56 pm, Bill Gallery <wgall...@aer.com> wrote:
> On May 27, 12:17 pm, Likun <Likun.W...@gmail.com> wrote:
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```

```
> -----
>
> function indgen_array, x_size, y_size, $
>     latitude = latitude, longitude = longitude
>
> ;IDL> print, indgen_array(3, 4, /lat)
> ;      0      0      0
> ;      1      1      1
> ;      2      2      2
> ;      3      3      3
> ;IDL> print, indgen_array(3, 4, /lon)
> ;      0      1      2
> ;      0      1      2
> ;      0      1      2
> ;      0      1      2
>
> if keyword_set(longitude) then begin
>     xxx = indgen(x_size)
>     yyy = intarr(y_size) + 1
> endif
>
> if keyword_set(latitude) then begin
>     xxx = intarr(x_size) + 1
>     yyy = indgen(y_size)
> endif
> return, yyy ## xxx
>
> end
```
