
Subject: Re: Remove the repeated lines in my array...

Posted by [Markus Schmassmann](#) on Tue, 13 Dec 2016 17:22:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

Am 13.12.2016 um 16:37 schrieb dave poreh:

> I have an array (24*300,000) and it is lon-lat with some
> specification (24 characteristics). Some of these lines are repeated
> numbers. I mean same lon-lat and same specifications. I just want to
> know how could i remove the repeated lines in my array,
the following functions are untested

```
function ord, array
;+
; Calculates the ordinal of each value of an array in terms of the
; sorted values.
; inspired by jbiu's ord & uniqify, written by Markus Schmassmann
; IDL> result=ord(array)
;-
compile_opt defint32, strictarr
return, reform( value_locate(array[uniq(array,sort(array))],array), $
size(array,/dimensions),/overwrite )
end
```

```
function uniq_multi, array
  ords=ulonarr(24,300000)
  for i=0,23 do ords[i,*]=ord(array[i,0])
  maxO=max(ords,dim=2)
  idx=ulon64arr(300000)
  for i=0,23 do idx=idx*maxO[i]+ords[i,*]
  return, array[*,uniq(idx,sort(idx))]
end
```

if you run into an overflow for idx, then you could print each of the
lines into an element of an array of strings and then use

```
array[*,uniq(idx,sort(stringarray))]
```

I hope one of these approaches works or can be made to work,
Good luck,
Markus
