
Subject: Re: Duplicates - a new twist
Posted by [Chris Lee](#) on Tue, 18 May 2004 07:59:30 GMT
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In article <d33d6a4b.0405171324.1272c4e0@posting.google.com>, "Martin Doyle" <m.doyle@uea.ac.uk> wrote:

> Hello all,
> I have a problem which I've searched everywhere to try and solve...many
> posters on this newsgroup have had _similar_ problems but the
> resolutions didn't help me...anyway, here goes; I have a dataset which
> consists of 3 columns: longitude, latitude and a value for an emission
>
> What I need to do is to look through the dataset and sum the emissions
> when the coordinate is the same, resulting in a dataset with unique
> coordinates and a total emission for each grid point. Does anyone have
> ...
> Martin

Hi,

```
;data is fltarr(3,n)
```

```
;find possible collisions  
d=sqrt(data[0,*]^2+data[1,*]^2)  
threshold=1.0 ; numbers after the decimal point.  
d=round(d*10^threshold)/10^threshold
```

;apply the single vector functions here, the result is a *possible* list
of collisions, since any point on a circle centred on the origin will
match, hopefully since your dealing with European data you won't collide
with anything in the Southern atlantic :)

There are probably better ways.

Chris.
