
Subject: accelerate processing time

Posted by m.goullant@gmail.com on Mon, 10 Jul 2006 16:47:30 GMT

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Hi all,

I'm a newbie in IDL and in programming. I have the following question:

I have an irregular point cloud (X,Y,Z), and i must calculate the euclidean distances several times because I need to do some iterations to get the final results:

```
radio=mask /2
```

```
FOR i=0L,N_ELEMENTS(z)-1 DO BEGIN
```

```
    distances=sqrt((x-x[i])^2+(y-y[i])^2) ; Euclidean distances  
    neighbors=WHERE(distances LE radio)
```

```
ENDFOR
```

If I have 2 million floating points, with several iterations, the computing time will be very tedious.

Can anyone advice me in a solution for this!

Thank you! Best regards,
Marie
