
Subject: Question (Re: Dimensional Juggling Tutorial)
Posted by [marc schellens\[1\]](#) on Thu, 05 Apr 2001 05:04:36 GMT
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I have a simple question, more or less related to
the rebin stuff:

Assume the following routine, which should calculate the pairwise
distance of two array of 3-dim vectors:

```
array=indgen(3,21)

a=array[:,0:5]
b=array[:,6:*]

nA=n_elements(a)/3
nB=n_elements(b)/3

distArr2=fltarr(nA,nB)
for i1=0,nT1-1 do begin

    distArr2[i1,*]=sqrt(total((b-rebin(a[:,i1],3,nA))^2,1))
endfor
```

so far so good, the routine does the job, but is there
a possibility to eliminate the for loop completely?

Greetings,
:-) marc
