
Subject: too many loops

Posted by [Jeff Newmark](#) on Mon, 04 Feb 2002 18:54:13 GMT

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Hi All,

I probably should be able to find this, but a quick look didn't give me a great answer so here goes.

I have a nested loop, theoretically each limit is 1000. Obviously, I do not wish to have 1 million iterations here. Any suggestions on how to get rid of one of the loops?

```
dat = fltarr(n,n)
image=fltarr(n,n,n)
i=fltarr(n,n)
j=fltarr(n,n)
mu=fltarr(n,n)
nu=fltarr(n,n)
r2=fltarr(n,n)
rs2=fltarr(n,n)
; the arrays are all initialized or populated
; section left out for brevity

for a=0,N-1 do for b=0,N-1 do $
  dat[i[a,b],j[a,b]]=dat[i[a,b],j[a,b]]+$
  image[mu[a,b],nu[a,b],scalar]*fa[r2[a,b]]/rs2[a,b]
```

thanks,
Jeff

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