Subject: Is it really more efficient to work with arrays than FOR loops?
Posted by Alvin on Thu, 23 Nov 2006 13:51:50 GMT
View Forum Message <> Reply to Message

Hey all,
I was wondering if it is really that more efficient to work with arrays (large ones that is). For example I have the following simple code, which takes about 30 min to run:

```
FOR z=0L, 400 DO BEGIN
    FOR y=0L, 400 DO BEGIN
        FOR x=0L, 400 DO BEGIN
            fn=f(z)     ;a function of z
            gn=f(z)    ;another function of z
            IF ( f(z) * x + g(z) * y GE f(z) * g(z) )  THEN BEGIN
                blah
                blah
                blah
            ENDIF
        ENDFOR
    ENDFOR
ENDFOR
```

Now if I tried to vectorize the above, would it do me any good in saving time and possibly memory? If I say something like f(z) # x + g(z) # y, where these are all vectors, I have a feeling that I am not covering all the possible combinations as the FOR loop above. Does anyone have any ideas, or suggestions?
Thanks,
Alvin.