
Subject: Re: How to calculate z=f(x,y) with loops
Posted by [thompson](#) on Wed, 09 Nov 1994 15:48:29 GMT
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buteau@bali.saclay.cea.fr (A.Buteau 62 17) writes:

- > I need to calculate the value of $z=f(x,y)$.
- > Z is a 2D array (fltarr(n,n)).
- > X and Y are the X and Y indices of this array.

- > I'd like to calculate :
 - > for $y=0,n-1$ do begin
 - > for $x=0,n-1$ do begin
 - > $z(x,y)=\dots$ a function of X and Y (the function can be
 - > of any kind)
 - > endfor
 - > endfor

- > But I'would like to do it without (or with only one) for loops
 - > for performance consideration.

```
XX = X # REPLICATE(1,N_ELEMENTS(Y))
YY = REPLICATE(1,N_ELEMENTS(X)) # X
Z = funct(XX,YY)
```

Bill Thompson
