Subject: Avoiding FOR statement
Posted by Mario Noyon on Tue, 20 Aug 1996 07:00:00 GMT
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I have aserious problem with IDL :
I want to use POLY_FIT with an array arr1(256, 256, 9) and arr2(9). Well, I have to use it with a for statement by doing this :

```
 FOR i = 0, 255 DO BEGIN
  FOR j = 0, 255 DO BEGIN
   res = POLY_FIT(arr1(i, j, *), arr2(*), yfit, 1)
   coef(i, j) = res(1)   ;I only need the slope
  END
 END
```

Which slows down my program a lot (about 2 minutes). I tried to use some home-built routines, but none of them gives the accuracy of POLYFIT. I need an accuracy of about 1e-9.
I watched the code of POLY_FIT, but they use a mthod with an invert matrix. And I don't know how to adjust it for my precise case.

Thanks in advance to those who can help me.
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NOYON Mario
Computer Science engineer
University of Bordeaux 2
mnoyon@jmc-luni.u-bordeaux2.fr