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Subject: How to speed up or remove this FOR loop  
Posted by [johan\[1\]](#) on Fri, 14 Jan 2011 09:00:25 GMT  
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I do have 768 profiles, each 24 pixels long, each to whom I want to fit a Gaussain and getting the mean and SD. I am using the following FOR loop calling mpfitexpr. It works fine but it takes forever to complete!

```
expr = 'P[0] + GAUSS1(X, P[1:3])'  
  
t = indgen(24)  
start = [20.D, 10, 2., 1000.]  
  
for i=0,(size(profiles,/dim))[1]-1 do begin  
  r = profiles[* ,i]  
  result = mpfitexpr(expr, t, r, 1, start, /QUIET)  
endfor
```

Anyway to speed it up or to remove the FOR loop?

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