
Subject: How to speed up or remove this FOR loop
Posted by [johan\[1\]](#) on Fri, 14 Jan 2011 09:00:25 GMT
[View Forum Message](#) <> [Reply to Message](#)

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?
