Subject: Re: "infinite" nested for
Posted by on Mon, 25 Nov 2013 18:25:22 GMT
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On 2013-11-25 17:18, Chrisss wrote:
> Hi Mats Löfdahl, thanks for your interest!
> my problem is that my "Im" is a 3D matrix in which every pixel is a curve with 60 elements.

That much I got. :o)

> Inner loop is for these ones: it does the fitting after the exponential curve inversion. I must follow a scholastic approach that tests all of 60 inversion time T0 within inner loop.

In the loop you do

```
T0=t
yCurr=y
if (t ne 0) then yCurr[0:T0]=-y[0:To]
```

So you are changing the sign of the first t elements in y. (I'm assuming you don't have To in your program and just happened to write it instead of T0.)

What I don't really see is why you'd want to try fitting an exponential to negative numbers, hence the question about just using abs(). Is there some noise that can make the measured (I assume) numbers be negative?

I guess I don't know what an "exponential curve inversion" is. Maybe you should make t0 a parameter that you can use in myfunc instead, so instead of testing all possible points where you can flip the sign of your data, you fit your unchanged data to a function that is an exponential where you flip the sign at some point t0, that is part of the fit.