
Subject: Optimization Question: Sum at each element of array
Posted by [Charles Steinhardt](#) on Tue, 15 Feb 2011 05:58:02 GMT
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Hello,

I'm trying to optimize the following:

```
for i=0, 100 do begin
  y = y + myfunc(x, x + sigma * (i-50)/10.0, P[2]*myfunc2(x + sigma
* (i-50)/10.0), sigma)
endfor
```

Here, x, y, and sigma are arrays of the same cardinality. I know the for loop is slow in IDL compared to array operations, but I'm having problems finding a faster way to do this. Is it really faster to make an array of `findgen(101)` and then do some sort of summation over that?

I'm hoping somebody has run into this before - I'd appreciate any advice you have!

Thank you,

-Charles
