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