Subject: How can I integrate? (easy question?)
Posted by bdb112 on Wed, 20 Mar 1991 12:37:28 GMT

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How can I efficiently do a running sum of a vector (integrate)? The explicitly coded version (IDL v2)

for i=1,n-1 x(i)=x(i)+x(i-1) achieves the desired effect, but takes (VS3100) 1 second for a 2000 element array compared to .01 sec for z=x+x, a similar number of operations. This is such an obvious thing to do that I must be missing something obvious - I can't find it in the userlib either (just deriv).