On Wednesday, 28 October 2015 15:44:05 UTC+1, Yngvar Larsen wrote:
> I ran the following script:

Bug fix for the last two cases follows. Still same conclusion, but

print, '**************'
print, 'Preallocation with zero initialization:'
tic
all_data = fltarr(nx,ny,nt*10)
for ii=0, N-1 do all_data[0,0,ii*nt] = data
toc

print, '**************'
print, 'Preallocation without zero initialization'
tic
all_data = fltarr(nx,ny,nt*10, /NOZERO)
for ii=0, N-1 do all_data[0,0,ii*nt] = data
toc

Concatenation:
Process took 6.524 seconds
****
Preallocation with zero initialization:
Process took 1.506 seconds
****
Preallocation without zero initialization
Process took 1.244 seconds

I also ran with double precision arrays, and got this:

Concatenation:
Process took 21.428 seconds
****
Preallocation with zero initialization:
Process took 5.366 seconds
****
Preallocation without zero initialization
Process took 2.953 seconds

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Yngvar