Subject: Re: Pasting subarray into array with compound assignment
Posted by Vince Hradil on Fri, 20 Apr 2007 17:29:35 GMT
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On Apr 19, 7:37 pm, "m.avd...@gmail.com" <m.avd...@gmail.com> wrote:
> i'm trying to use the advantage of "+=" when reshaping 2d array to 1d
>
> Can anyone tell me why the following produce different values?
> (difference in shape and type of the results is not a problem)
>
> a1=indgen(3,7) & for i=0,2 do a2[0,i*2]+=a1[i,*] & print,a2
>
> a1=indgen(3,7) & a2=intarr(3,11) & for i=0,2 do a2[i,i*2]=a1[i,*] &
> a2=total(a2,1) & print,a2
>
> thanks,
> max

Decompose the += into a2[0,2] = a2[0,2] + a1[1,*] (for i=1, for instance).

The RHS is 6 + a1[1,*] which is transpose(7,10,13,16,19,22,25). This then gets placed into the a2 array at position [0,2]

Same for i=2...