
Subject: Re: Pasting subarray into array with compound assignment

Posted by [Vince Hradil](#) on Fri, 20 Apr 2007 21:34:56 GMT

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On Apr 20, 12:29 pm, hradilv <hrad...@yahoo.com> wrote:

> 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...

This will work:

a1=indgen(3,7) & a2=intarr(3,11) & for i=0,2 do

a2[0,i*2:i*2+7-1]+=a1[i,*] & print,a2
