Subject: Adding arrays of different dimensions
Posted by ianpaul.freeley on Fri, 19 Oct 2007 16:46:43 GMT

I keep running into this and not being sure what the best solution is.

I have a 2d array, and I'd like to add a 1d array to each row (or
column).
The easy stupid slow way:
a=findgen(3,5)
b=[1,2,3]
for i=0,4 do a[*,i]=a[*,i]+b

Perhaps a better way with no loops:
a=findgen(3,5)
b=[1,2,3]
x=b#(fltarr(n_elements(a[0,*])) +1)
a=a+x

Is there a better way? Anyone care to generalize so I can optimally
add 2d arrays into 3d?

Thanks,
IP Freeley