This:

FOR I=0,nz-1 DO
 z[indgen(nx),indgen(ny),I]=Z[indgen(nx),indgen(ny),I]*filter

can be done like this:

z*=rebin(reform(indgen(nz),1,1,nz),nx,ny,nz,/sample)

However, is this really what you want? i have the feeling you want to
do something else here, or is it just me :-)?

On 18 Feb 2007 07:12:05 -0800, "L. Testut" <gaillac.spam@free.fr>
wrote:

> Sorry it doesn't work in my case I want to avoid this loop:
>
> FOR I=0,nz-1 DO
> z[indgen(nx),indgen(ny),I]=Z[indgen(nx),indgen(ny),I]*filter
>
> I have a H[nx,ny,nz] where nz is the time. So i have nz field in time
> that i want to multiply by a filter of size nz.
>
> Is it possible to avoid this loop ?