
Subject: Re: Assigning the values of a matrix to a larger matrix
Posted by [Fabrice Lambert](#) on Wed, 30 Apr 2014 23:05:11 GMT
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Hello Heinz,

That works, thanks a lot!

I find it very counter-intuitive, though: In my example to fill in the values we want in the 3rd dimension of the base vector, we have to create a 4th dimension where every index contains a copy of the original 3d-input vector.

Is there an easy way to understand that logic?

Thanks,
Fabrice

On Wednesday, April 30, 2014 5:21:35 PM UTC-4, Heinz Stege wrote:

```
> Hello Fabrice.  
>  
>  
>  
>  
>  
>  
>  
>> Is there a way to write the following code in IDL/GDL without a for loop?  
>  
>>  
>  
>> for i=0,90 do begin  
>  
>>   Base[:,*,i]=Input[:,*,0]  
>  
>> endfor  
>  
>  
>  
> Yes, you can write:  
>  
>  
>  
> n=size(input,/dimensions)  
>  
> base[0,0,0]=rebin(input,[n,91],/sample)  
>  
>  
>  
> If the base array does not have to be bigger than the 91x input
```

```
>  
> array, you don't need to create it explicitly and can more simply  
>  
> write:  
>  
>  
>  
> n=size(input,/dimensions)  
>  
> base=rebin(input,[n,91],/sample)  
>  
>  
>  
> Cheers, Heinz
```
