
Subject: Re: How to rebin complex array?

Posted by [Peter Mason](#) on Wed, 14 Apr 2004 00:47:46 GMT

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Yunxiang Zhang wrote:

```
> Folks,  
>  
> I wanna do the following thing as fast as possible.  
>  
> ;creat a complex array  
> a=complexarr(na)  
> ;replicate the array k times  
> b=rebin(a,na,k)  
>  
> But rebin won't accept complex array. :( What should I do?
```

Further to what Mark has written, if this **really** is what you want to do and if you can live with REBIN's /SAMPLE option (which is faster than its default bilinear interpolation anyway), then you might try something like the following:

```
d=double( a, 0, na )  
r=rebin( temporary(d), na, k, /SAMPLE )  
b=complex( temporary(r), 0, na, k )
```

Of course, this'll only work for single-precision complex "a". (8 bytes per value, same as "non-complex" double precision.)

Peter Mason
