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