
Subject: REBIN needs explaining

Posted by [David Fanning](#) on Tue, 30 Nov 2004 23:32:03 GMT

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Hi Folks,

Can someone (Craig?) explain this to me.

Consider:

$v = [0, 10]$

I understand this:

Print, rebin(v, 20, /Sample)

```
0  0  0  0  0  0  0  0  0  0
0  10 10  10 10 10 10 10 10 10
10  10
```

What I don't understand is this:

Print, rebin(v, 20)

```
0  1  2  3  4  5  6  7  8
9  10 10  10 10 10 10 10 10
10  10
```

Aren't there an awful lot of 10s in there!? Why doesn't this come out like this:

```
0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8
9 9 10 10
```

I notice REBIN, CONGRID, and even CMCONGRID does this same thing. Why?

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
