Subject: Re: rebinning data on new time samples without loops? Posted by jbattat on Fri, 12 Dec 2003 21:11:16 GMT

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I don't know why i wrote the replicate command in my original post... I did not use replicate in my code!

Anyway, I would prefer to bin rather than interpolate, because I would like to reduce my noise (t1 is much more finely sampled than t2 so averaging many t1 points rather than interpolating should help)

But for quick and dirty analysis, I will use INTERPOL as a fast fix. Thanks for the suggestion.

I'm still on the lookout for a clever array solution...

take care, iames

```
> Hi,
> On your code, do you need the replicate line,
> [1,2,3,4] - 3 = [-2,-1,0,1]
> [1,2,3,4] - [3,3,3,3] = [-2,-1,0,1]
>
> anyway..
>
  What's wrong with INTERPOLATE or INTERPOL?
>
> y2=interpol(y1, t1, t2)
 TRIANGULATE if the data is two dimensional.
>
 If you really want to use your method, I would suggest making a two
> dimensional grid from y1 (t1, t2), and using some matrix tricks on it.
  Possibly based on the "Vector Comparison" thread a while back
>
  http://groups.google.com/groups?hl=en&lr=&ie=ISO-885 9-1&g=
  vector+comparison+idl&btnG=Google+Search
>
> should be one line obviously.
```

> Chris.