
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,

james

> 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-8859-1&q=](http://groups.google.com/groups?hl=en&lr=&ie=ISO-8859-1&q=vector+comparison+idl&btnG=Google+Search)

> vector+comparison+idl&btnG=Google+Search

>

> should be one line obviously.

>

> Chris.
