Subject: Re: Subtracting arrays of same dimension, different size - interpolating one to fit the other
Posted by Paul Van Delst[1] on Mon, 01 Nov 2010 17:17:25 GMT
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recalculate the model data to match the measured data. Then direct compare.

If you don't have access to the model software itself, then try to get your hands on it. Otherwise you're going to have
to interpolate. I always interpolate model data (initially at least) since it is typically better behaved (e.g.
smoother/less noisy) than measured data and thus less likely to suffer from egregious interpolation artifacts.

Now, which interpolation method you employ (linear, polynomial, spline, fourier(!) etc) is a decision *you* need to make
based on the data.

cheers,

paulv

polystethylene wrote:
> Hi All,
>
> I have some data and a model, both 2 column - one column phase, the
> second column a ratio...
>
> They both have different sizes, and the model's phase points don't
> match up with those of the data...
>
> I'd like to plot the residual i.e. data - model, but obviously that's
> not immediately accessible without interpolating the model so that
> every data phase point has a corresponding model value...
>
> Anyone got any ideas how I can do this?
>
> Please no-one say histogram :-/ *crosses fingers*
>
> Cheers,
>
> Stef