
Subject: Make TV a function of X?

Posted by [raoulduke](#) on Thu, 06 Jan 2000 08:00:00 GMT

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Hi all! Thanks for all the helpful tips I have been picking up by lurking around here.

I have a data set that is irregularly sampled, and I need to make an image-type plot of this data, and was hoping to get some suggestions on the best way to do this.

The first record of my data set is the time of the sample. The experiment is started, and say 100 samples are taken... one every 5 seconds. Then nothing was taken for 1 hour and then a sample every 10 seconds was made for the next 5 hours. I want to take this sort of data set and make an image plot with the time of the samples for the x axis. Is there an easy way to do this and have the time axis actually mean anything? Usually, you are just defining the time range for the axis labels.

The obvious way that comes to my mind is to just make a uniform time scale, and then resample the data to fit this scale, filling in the rows and rows of zeros where necessary. The times on my real data set fluctuate quite a bit more than the example I gave. Is this the best (only?) way to do this sort of thing? Any advice is appreciated.

BTW, I am using Craig Markwardt's `plotimage.pro` procedure, to do my image plots, and I recommend it highly!

Cheers!

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