

ME 208– Biomechanics II
Assignment 3 – Due Wednesday 2/27/2008

Fit the experimental creep data posted on the web-page for the motion segment to a 4 parameter fluid model (e.g., Burger's model).

You can use the .csv files already created and posted, or alternately use the me208_file_creator.m file. Note that you can edit the ME208_file_creator.m program and alter the commented file name to switch between the explant and motion segment files.

To do the curve-fit, you may modify ME208_curve_fit_sample.m program, or alternately use other software of your choice.

To demonstrate your success, please print out the plot and write on the plot the curve-fit parameters including material constants and some measure of goodness of fit.