CHE221 COMPUTATIONAL ASSIGNMENT
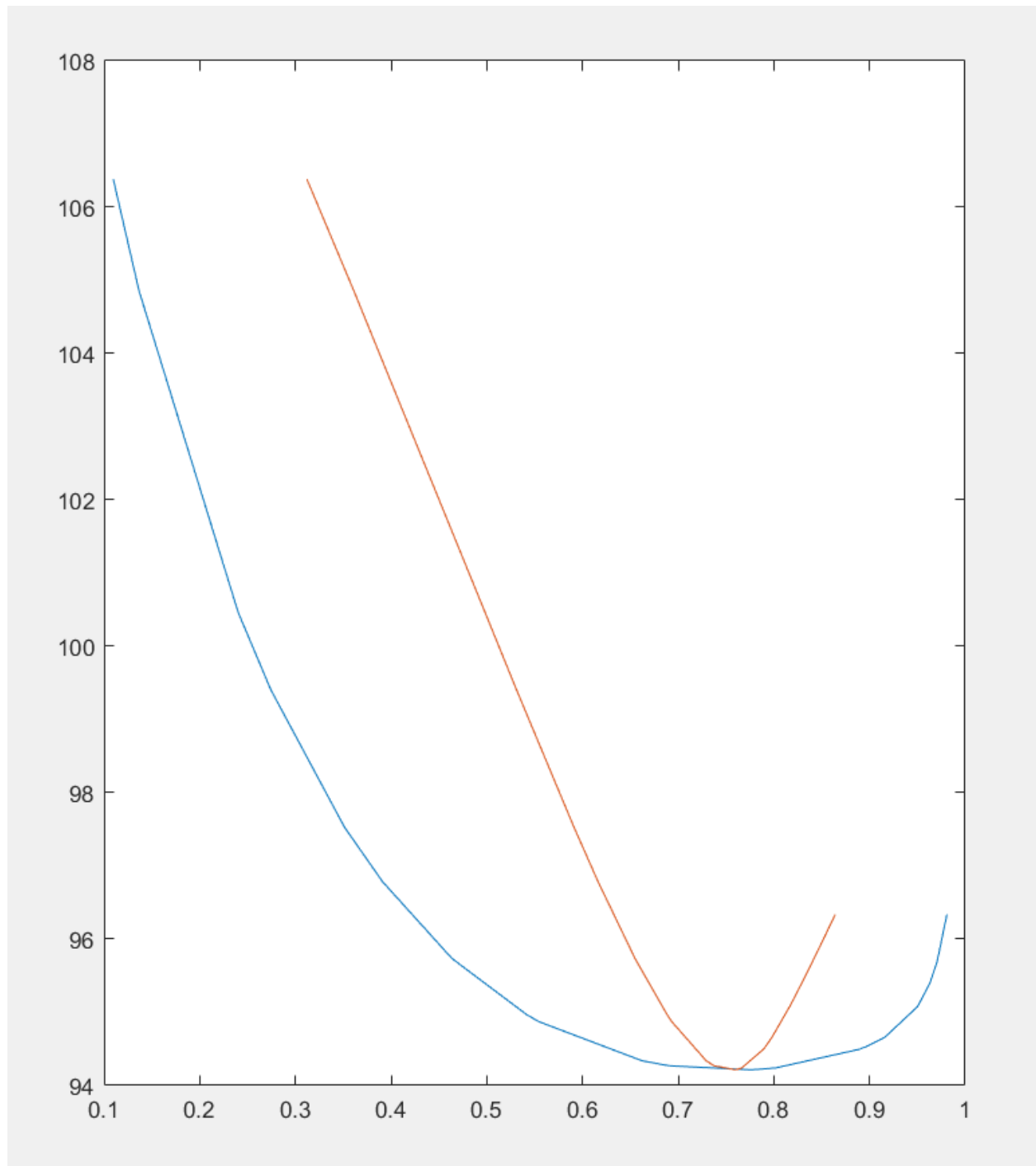
X values used for empirical calculations:

x = [0.9809, 0.9707, 0.9629, 0.9503, 0.9162, 0.8961, 0.8896, 0.8016, 0.7761, 0.6903, 0.6622, 0.5544, 0.5416, 0.4633, 0.3910, 0.3512, 0.2743, 0.2402, 0.1366, 0.1097];

T and y data obtained from computations:

T_arr =
[96.3372969221110;95.6960154963533;95.3942000193402;95.0794460539865;94.6616178992677;94.5296373980067;94.4955054580640;94.2397563585282;94.2144763545925;94.2699829335804;94.3383563046122;94.8725451017511;94.9686592712906;95.7397837586179;96.7859630368163;97.5319250552093;99.4077764974894;100.464855296484;104.858244476407;106.382922465867];
y =
[0.864277467723817;0.840546086646309;0.829065766111548;0.816607739600335;0.798159403473584;0.791191945563029;0.789202080038522;0.766408150080231;0.760079669767385;0.737408961207624;0.729276592257498;0.693319457569176;0.688430580662201;0.654748013059629;0.616275524362323;0.591050088922748;0.531061486595051;0.498187771754329;0.361064222655925;0.312018289265530];

T vs x,y graph:

y vs x graph: