Project report

good values found for Nm and Nf are: Nm = 3 Nf = 470

with relative error = 0.01934165298051108 and variance 0.011412163711925483

Average magetization and pair correlation as funtion of temperature T

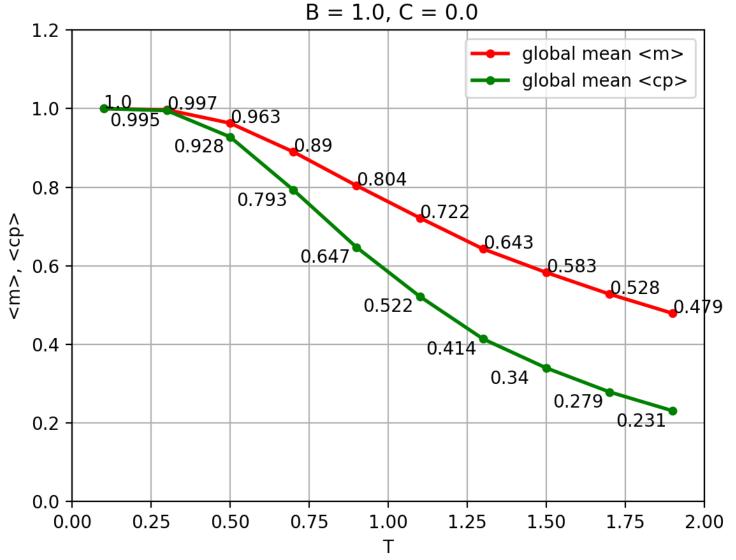


Figure1 recreated with B = 1.0 and C = 0.0

Average magetization and pair correlation as funtion of temperature T $B=0.0,\,C=-1.0$

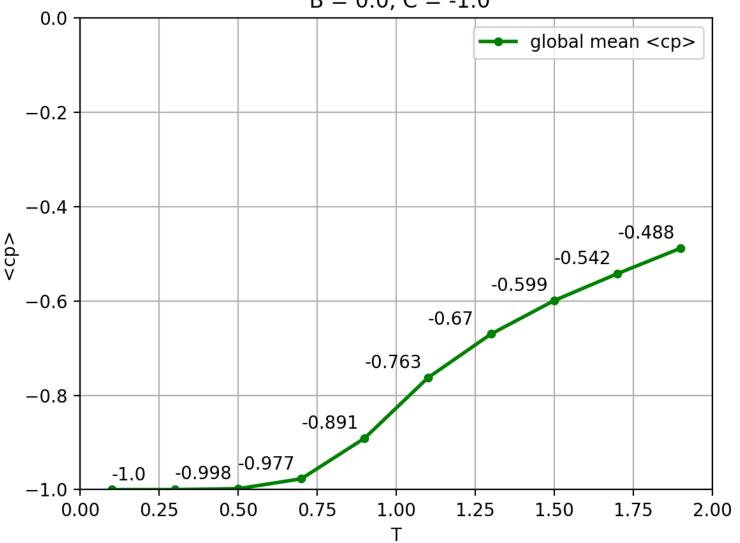
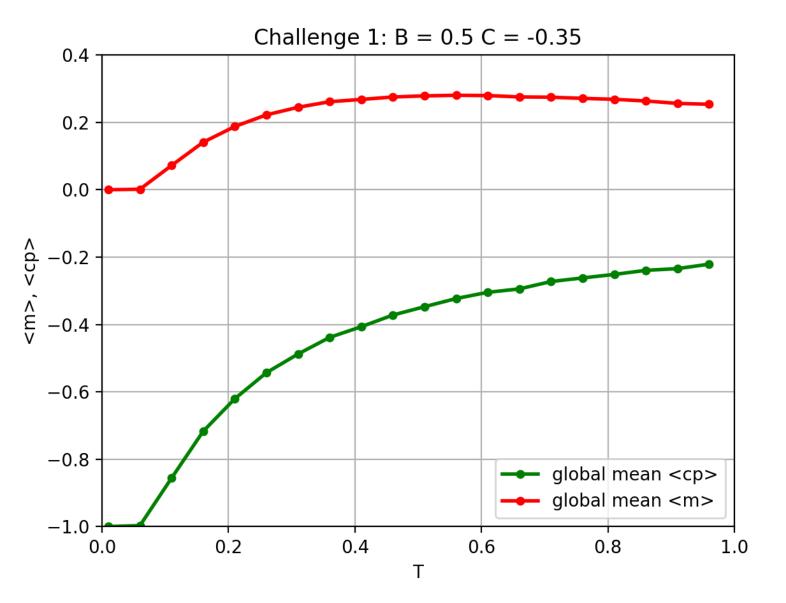
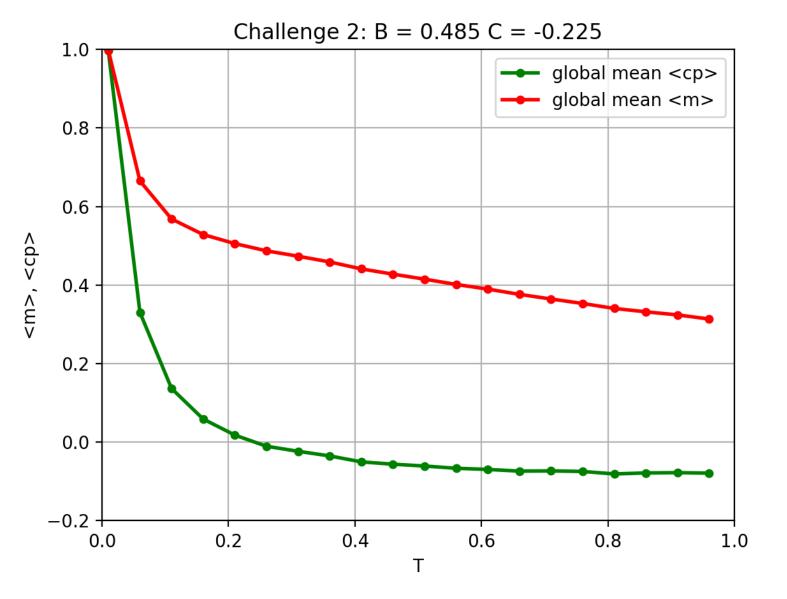


Figure2 recreated with B = 0.0 C = -1.0



Challenge 1 B = 0.5 C = -0.35



Challenge 2 B = 0.485 C = -0.225