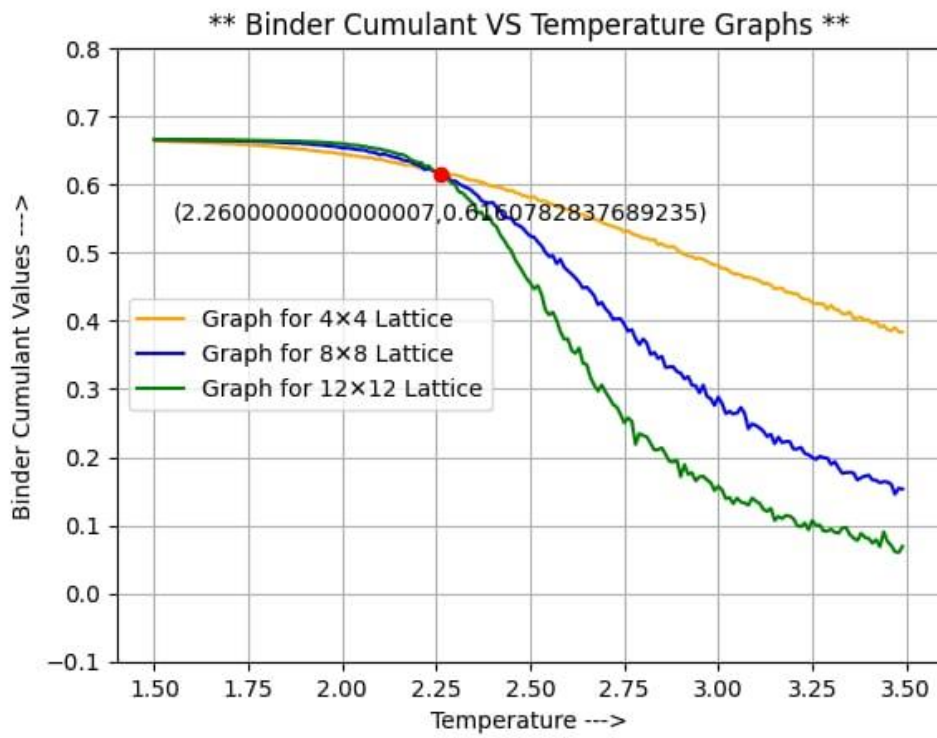
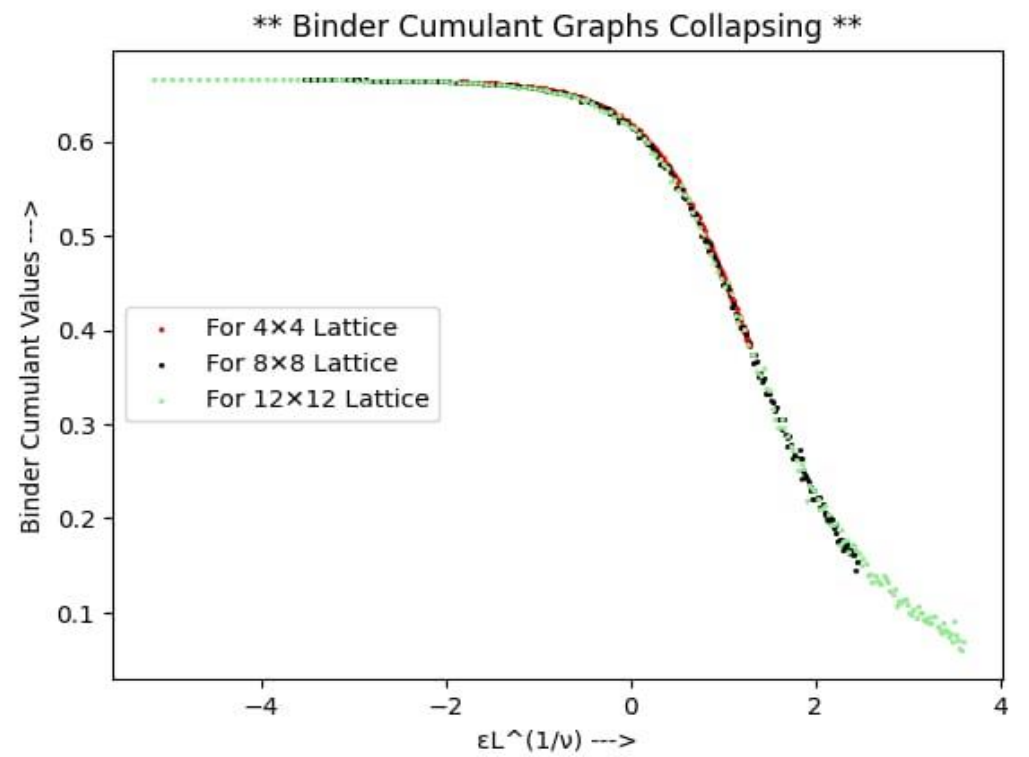


2-D Ising Model Graphs

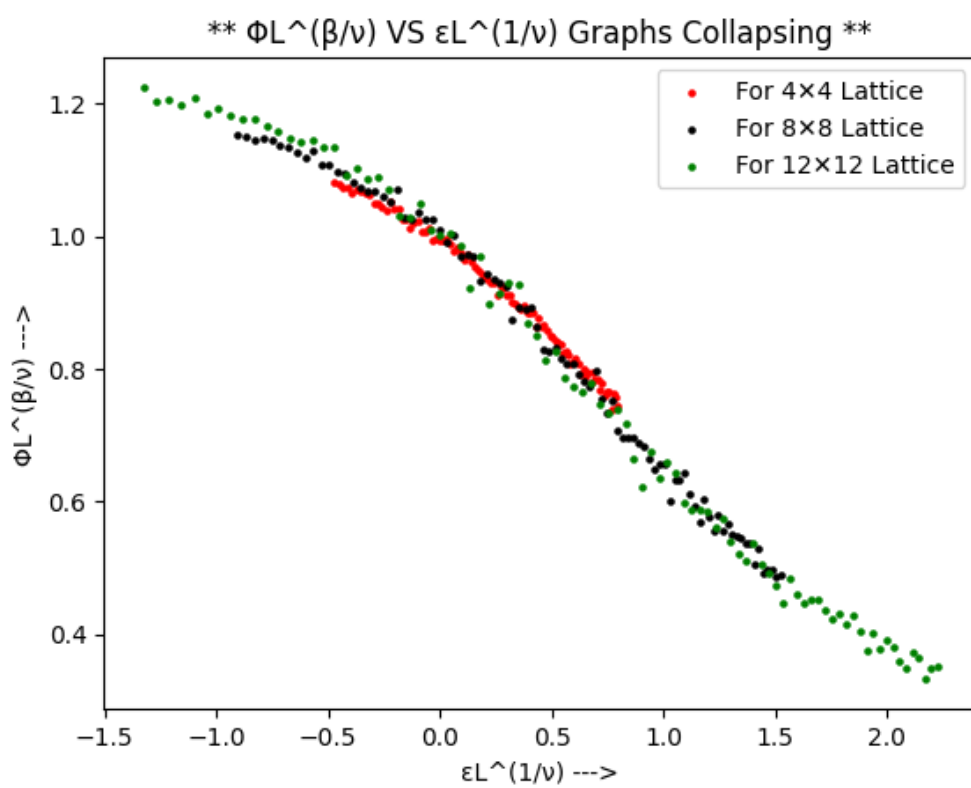
Name: Snehadip Bhunia



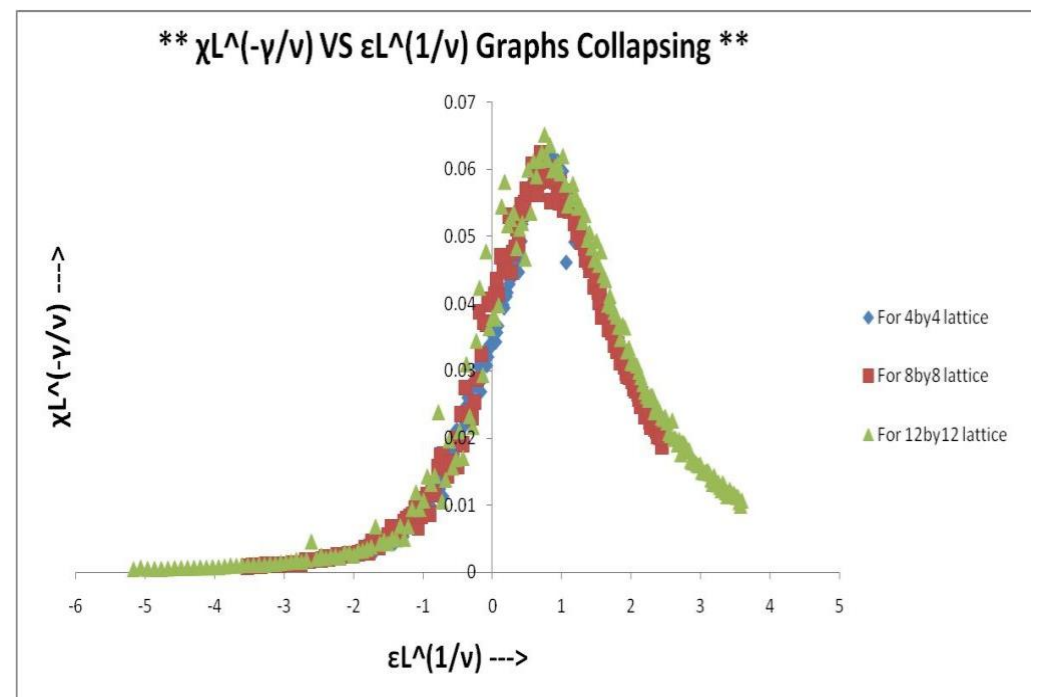
Graph1: Binder Cumulant VS Temperature Graph. From the abscissa of the intersecting point we get the critical temperature to be nearly 2.26



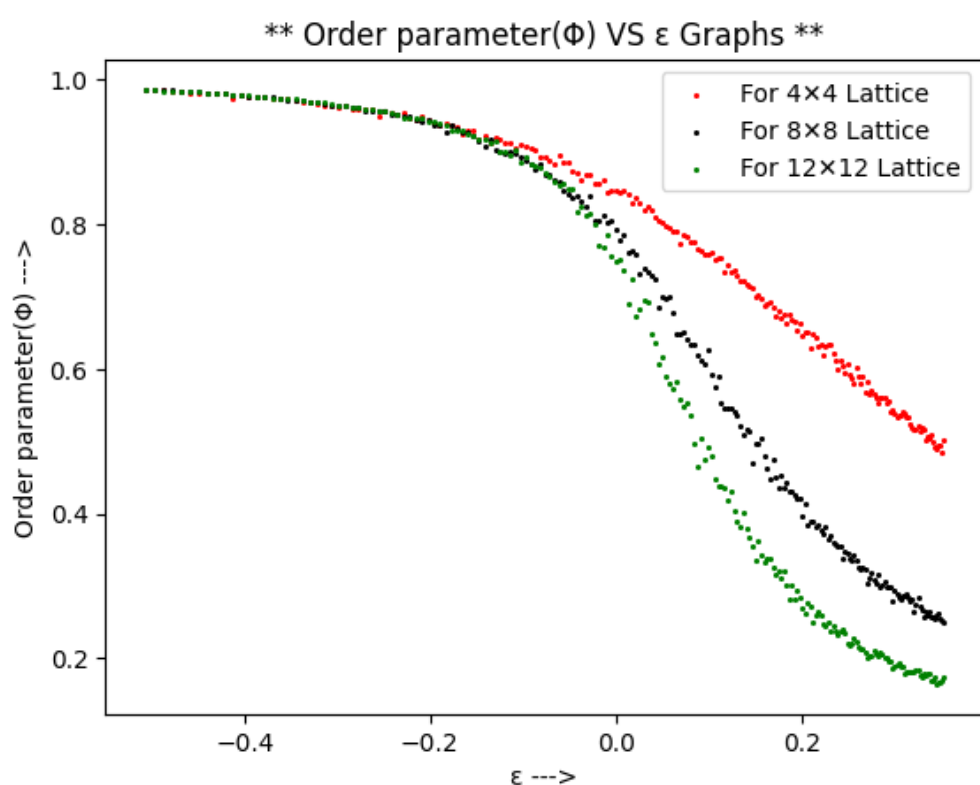
Graph2: Collapsing of Binder Cumulant VS $\epsilon L^{1/\nu}$ Graphs, with $\nu = 1.07$



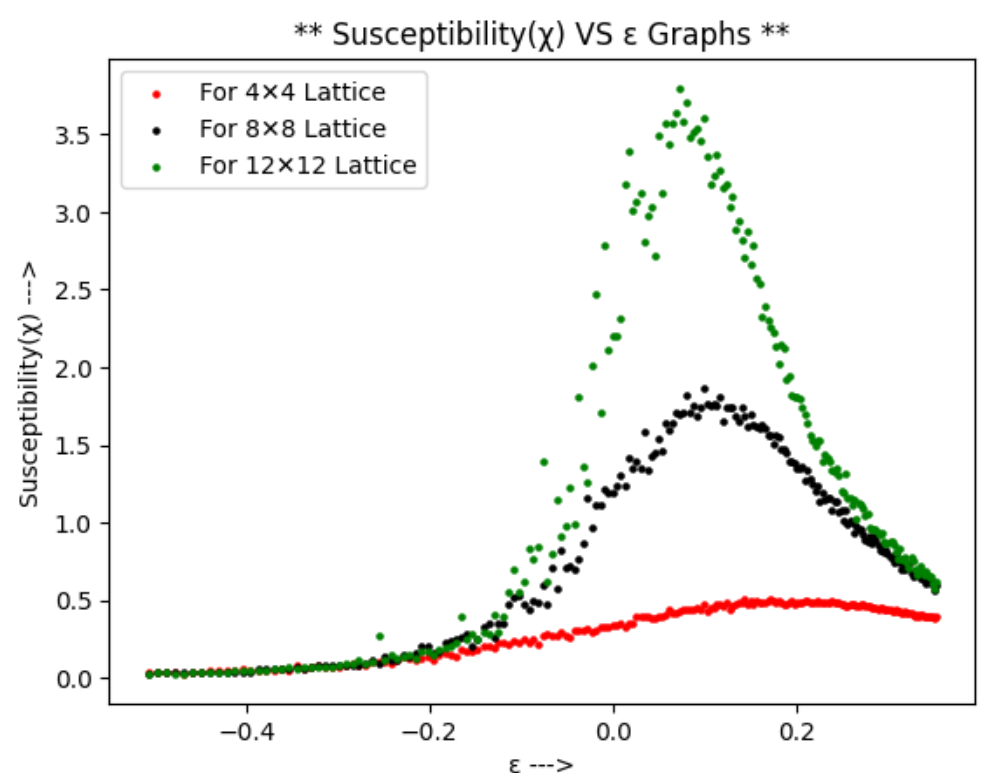
Graph3: $\Phi L^{(\beta/\nu)}$ VS $\epsilon L^{(1/\nu)}$ Graphs Collapsing for $\nu = 1.07$, $\beta = 0.125$



Graph4: $\chi L^{(-\gamma/\nu)}$ VS $\epsilon L^{(1/\nu)}$ Graphs Collapsing for $\nu = 1.07$, $\gamma = 1.75 = 7/4$



Graph5: Order Parameter VS ϵ Graphs for different L



Graph6: Susceptibility VS ϵ Graphs for different values of L