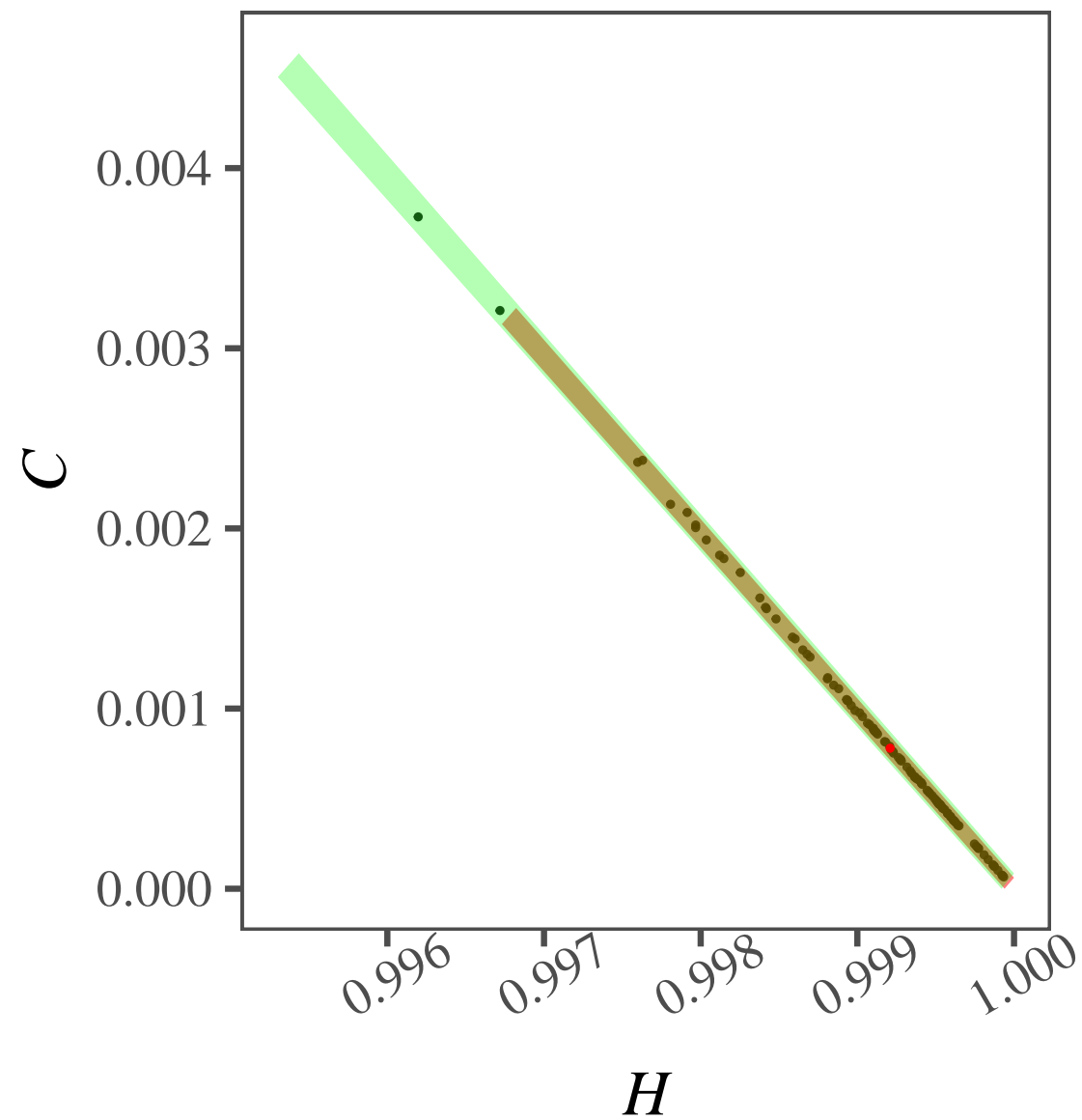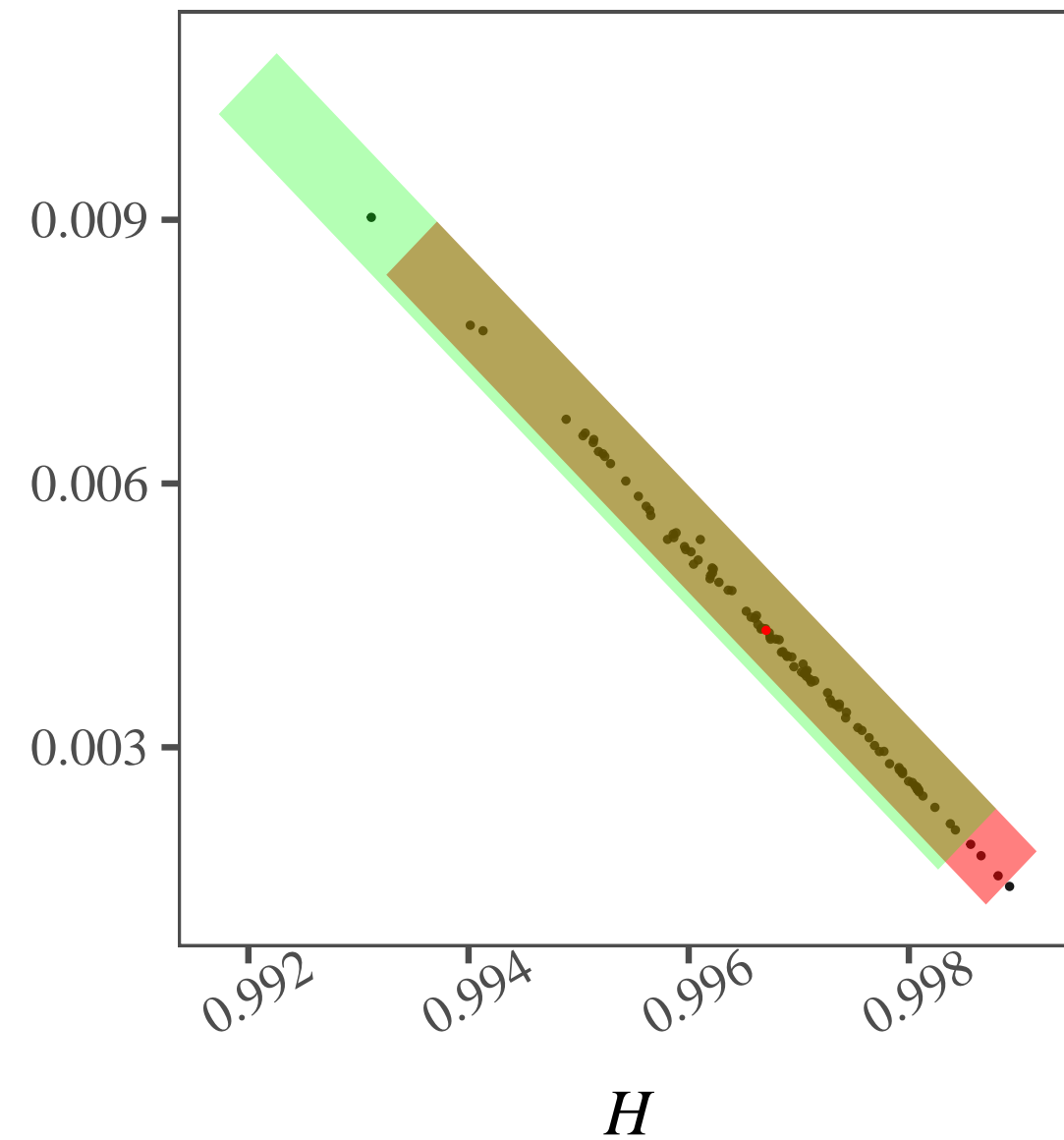$T = 1000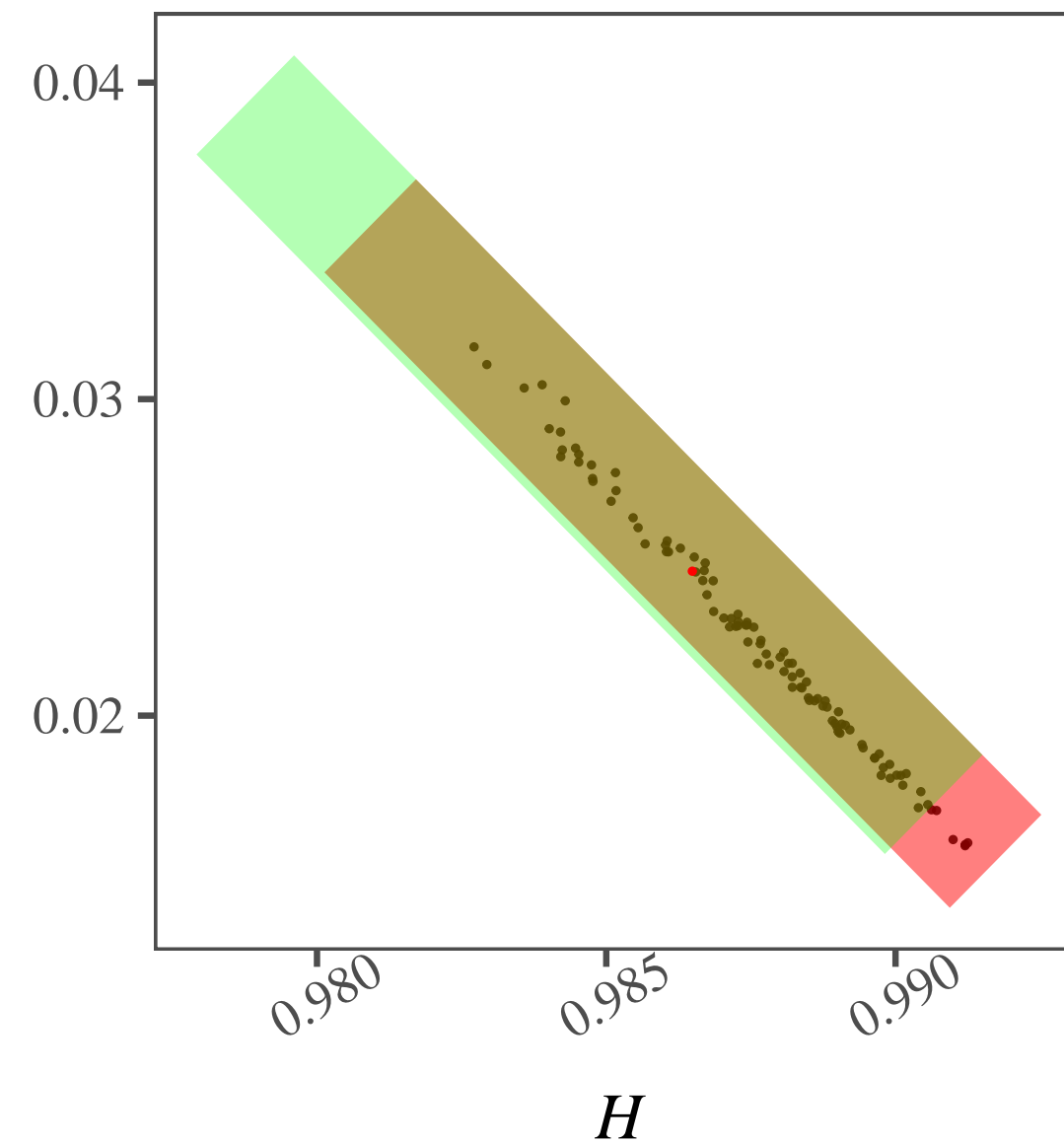$