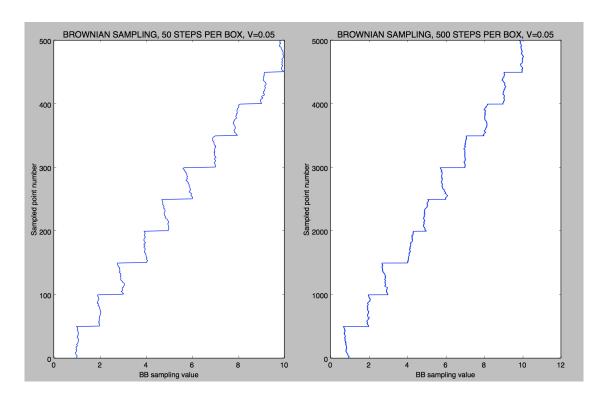
automating the sampling procedure: plots for different choices of the number of steps and variance in the Brownian Bridge

Pete Rigas, McMahon Lab November 27, 2020

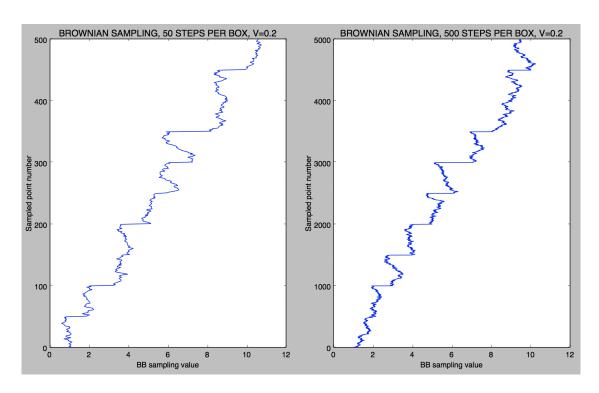
1 updated plots

we denote N as the total number of steps of each Brownian excursion, and V the variance δ of the Wiener process

1.1 CASE 1: N = 50 steps per box, $N_{\rm tot} = 500$, $\delta = 0.05$; CASE 2: N = 500 steps per box, $N_{\rm tot} = 5000$, $\delta = 0.05$



1.2 CASE 1: N=50 steps per box, $N_{\rm tot}=500,~\delta=0.2;$ CASE 2: N=500 steps per box, $N_{\rm tot}=5000,~\delta=0.2$



1.3 CASE 1: N=25 steps per box, $N_{\rm tot}=250,~\delta=1.3;$ CASE 2: N=100 steps per box, $N_{\rm tot}=1000,~\delta=1.3$

