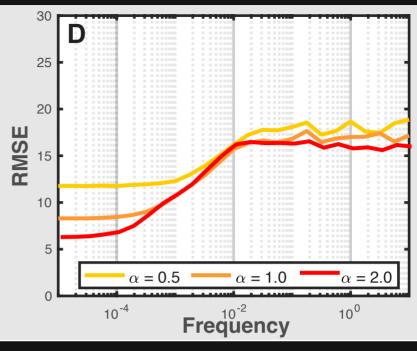
Frequency Control of Highly Granular Systems Reference Signal x₁ —— Reference Signal x₂ 200 **Species Count** 150 100 B Mean x₁ ■ Mean x 2 200 **Species Count** 150 30 freq = 10^{-2} freq=10⁻⁰ $freq = 10^{-4}$ 25 **RMSE=6.4 RMSE=16.3** RMSE=14.4 RMSE 20 15 10 5 0 0 0.5 1.5 2.5 3 3.5 **Number of Periods**

Reduced Control Floor



Phase Lag In Control Performance

