(a) Plot showing activity y versus time t, with curves labeled sim. (cyan), linear (black dashed), and $\mathcal{O}(\alpha)$ (red). Inset plots show $x(t)$ versus time t and time t versus $\max(\text{Re}(\tilde{\lambda}_\alpha))$.

(b) Scatter plot of κ_η, nonlinear system versus κ_η, linear system, colored by $\|\mu\|$.