Gaussian Input Sequence

A
Std. Dev. vs time step, with curves for y and x.

B
a vs time step.

C
σ_x vs σ_y, with First 100 time steps and Last 100 time steps.

D
$\text{Im}(\lambda)$ vs $\text{Re}(\lambda)$, with Eigenvalues at $t=0$ and Eigenvalues at $t=T$.