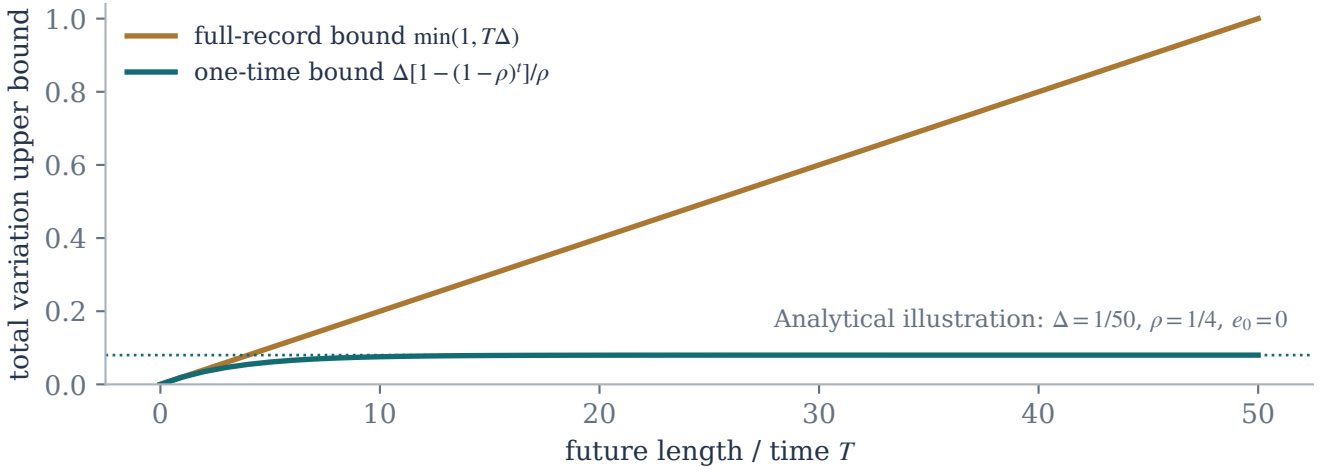

full-record bound $\min(1, T\Delta)$
one-time bound $\Delta[1-(1-\rho)^t]/\rho$
Analytical illustration: $\Delta = 1/50$, $\rho = 1/4$, $e_0 = 0$
total variation upper bound
future length / time T
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
50