

- For high SNR (> 30 dB), stationary environments present information reliable : choose $\lambda \approx 1$.
- High SNR, slow non-stationary environment choose λ small & weight present observations more.
- For low SNR (< 10 dB), present observations unreliable & prior information better: choose λ large & de-emphasize noisy observations.

- Memory parameter λ provides trade-off between time/frequency resolution.
- For low SNR, initialize inverse recursion with large matrix norm: $P[0] = \delta I$, δ large.
- For high SNR, initialize the inverse recursion with small matrix norm: $P[0] = \delta I$, δ small.
- If environment is highly non-stationary retraining needed.