$$P(t) = \frac{1}{\lambda(t)} \left[P(t-1) - \frac{P(t-1)\,\underline{\phi}(t)\,\underline{\phi}^T(t)\,P(t-1)}{\lambda(t) + \underline{\phi}^T(t)\,P(t-1)\,\underline{\phi}(t)} \right]$$

$$\bar{R}^{-1}(t)\,\underline{\phi}(t) = L(t) = \frac{P(t-1)\,\underline{\phi}(t)}{\lambda(t) + \underline{\phi}^T(t)\,P(t-1)\,\underline{\phi}(t)}$$

$$\boxed{\hat{\theta}_t = \hat{\theta}_{t-1} + L(t)\left[y(t) - \underline{\phi}^T(t)\,\hat{\theta}_{t-1} \right]}$$

READINGS: BOOK 2, Ch 11.1–11.2

PAPERS: LEAST SQUARES WITH EXAMPLES