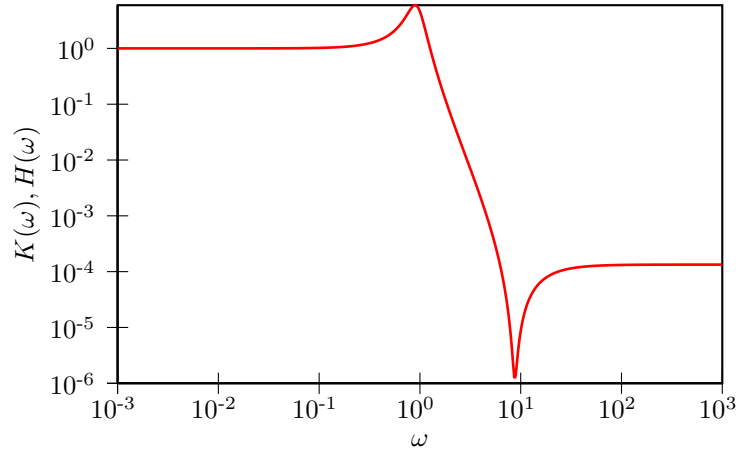


GENERALIZED LANGEVIN EQUATION ANALYTICS

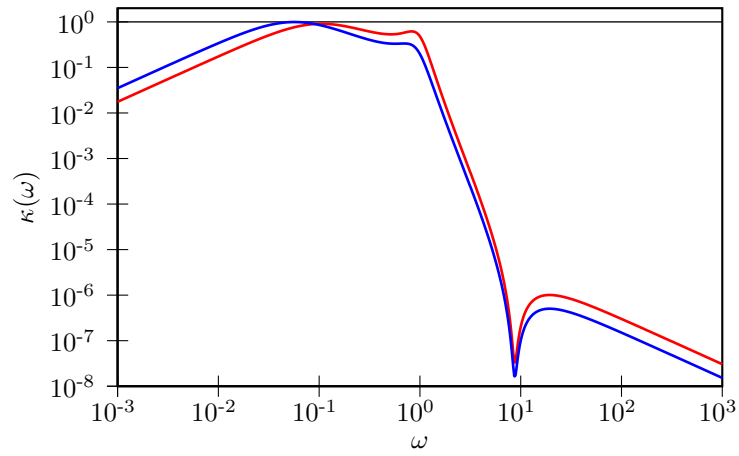
- Drift matrix A_p :

$$\begin{pmatrix} 1.5227 \times 10^{-05} & -5.0190 \times 10^{-01} & -2.6503 \times 10^{-03} \\ 5.0190 \times 10^{-01} & 8.5071 \times 10^{-12} & 9.3884 \times 10^{-01} \\ -2.1968 \times 10^{-03} & -9.3884 \times 10^{-01} & 3.8938 \times 10^{-01} \end{pmatrix}$$

- Fluctuation-Dissipation theorem is enforced, $C_p = k_B T$
- Memory kernel FT, $K(\omega)/K(0) = H(\omega)/H(0)$



- Sampling efficiency, for q^2 and $p^2 + \omega^2 q^2$:



- Free-particle diffusion coeff. ($mD/k_B T$): $8.7805 \times 10^{+00}$