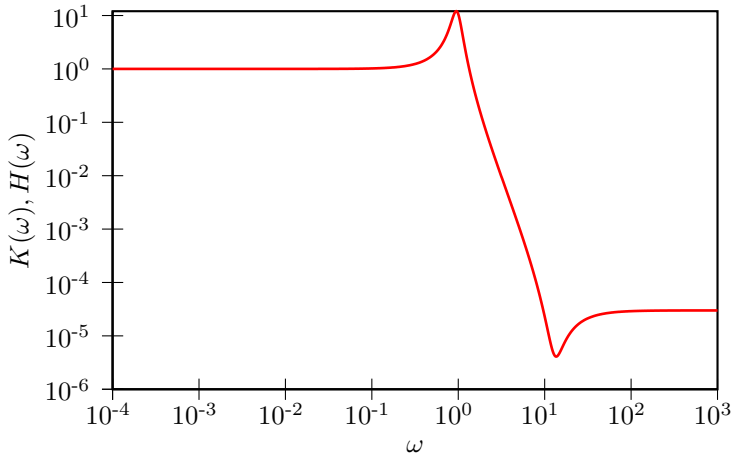
Generalized Langevin Equation analytics

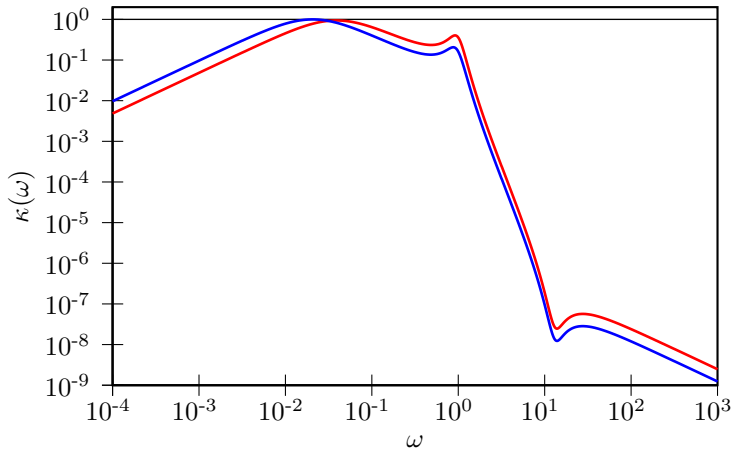
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 1.2369\times10^{-06} & 3.6993\times10^{-01} & 2.3936\times10^{-03} \\ -3.6993\times10^{-01} & 1.8869\times10^{-04} & -9.6958\times10^{-01} \\ -3.5676\times10^{-03} & 9.6958\times10^{-01} & 2.8058\times10^{-01} \end{pmatrix}$$

- **Fluctuation-Dissipation theorem is enforced, $\mathbf{C}_p = k_B T$**
- **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. ($mD/k_B T$):** $2.4218 \times 10^{+01}$