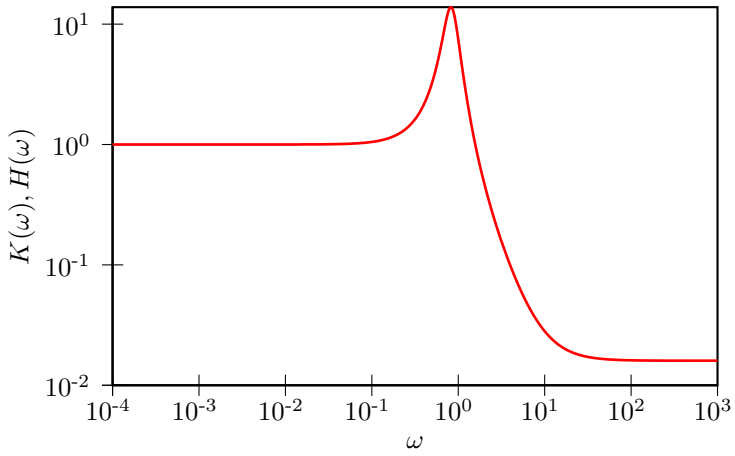
Generalized Langevin Equation analytics

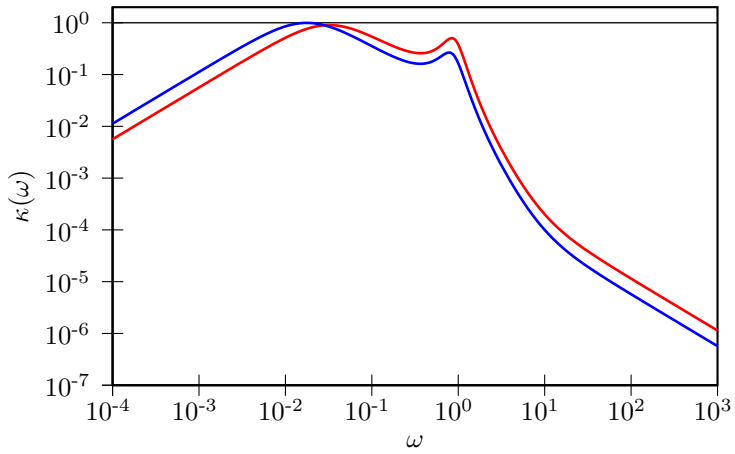
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 5.6852\times10^{-04} & 2.9007\times10^{-01} & -3.0163\times10^{-01} \\ -2.8476\times10^{-01} & 6.3458\times10^{-02} & -8.2622\times10^{-01} \\ 3.2532\times10^{-01} & 8.2622\times10^{-01} & 3.0662\times10^{-01} \end{pmatrix}$$

- **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_BT):** $2.8136 \times 10^{+01}$