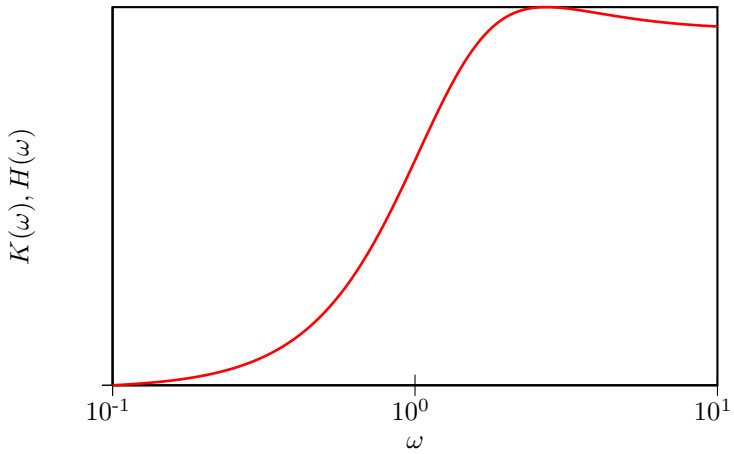
Generalized Langevin Equation analytics

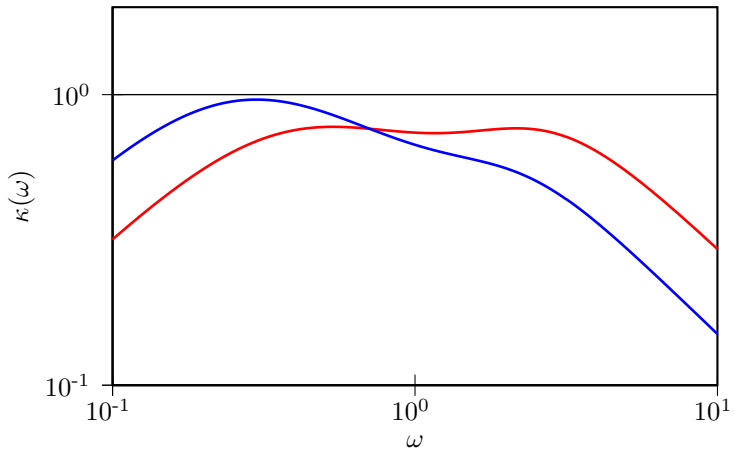
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 1.5000\times10^{+00} & -6.5621\times10^{-01} & 3.4337\times10^{+00} \\ 5.4143\times10^{-01} & 1.5257\times10^{-01} & 1.3779\times10^{+00} \\ 1.7242\times10^{-01} & -1.3779\times10^{+00} & 2.2267\times10^{+00} \end{pmatrix}$$

- **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. $(mD/k_B T)$:** $1.6695 \times 10^{+00}$