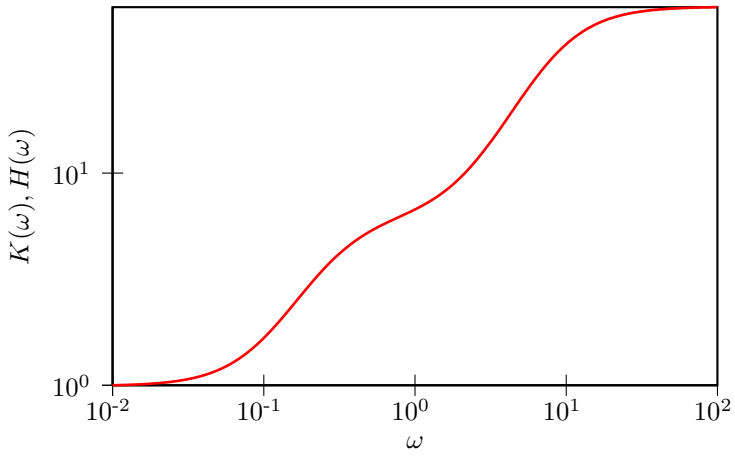
Generalized Langevin Equation analytics

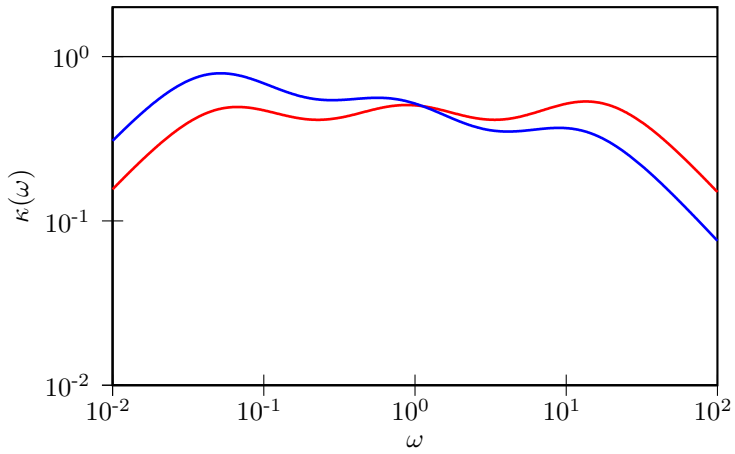
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 7.6606\times10^{+00} & 1.9937\times10^{-01} & 8.1733\times10^{+00} \\ 5.8696\times10^{-01} & 2.5569\times10^{-01} & 1.6380\times10^{-01} \\ 6.4891\times10^{+00} & -1.6380\times10^{-01} & 7.6986\times10^{+00} \end{pmatrix}$$

- **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_BT):** $8.0072 \times 10^{+00}$