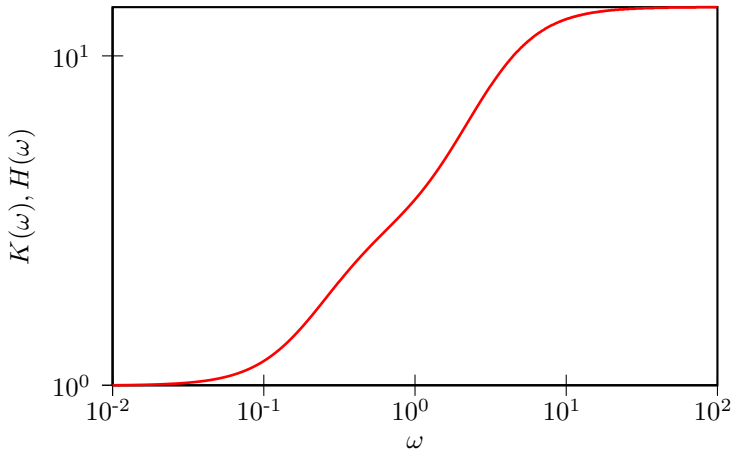
Generalized Langevin Equation analytics

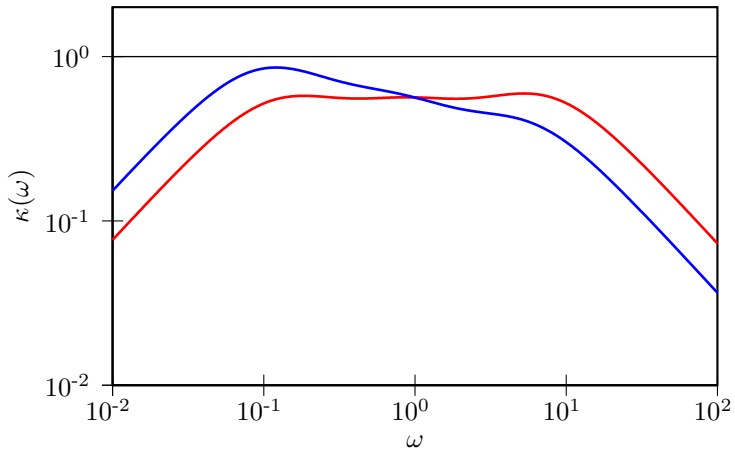
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 3.6618\times10^{+00} & -5.1595\times10^{-01} & 4.1839\times10^{+00} \\ 9.1550\times10^{-01} & 7.6363\times10^{-02} & 8.9152\times10^{-01} \\ 2.4921\times10^{+00} & -8.9152\times10^{-01} & 3.6241\times10^{+00} \end{pmatrix}$$

- **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):** $3.8498 \times 10^{+00}$