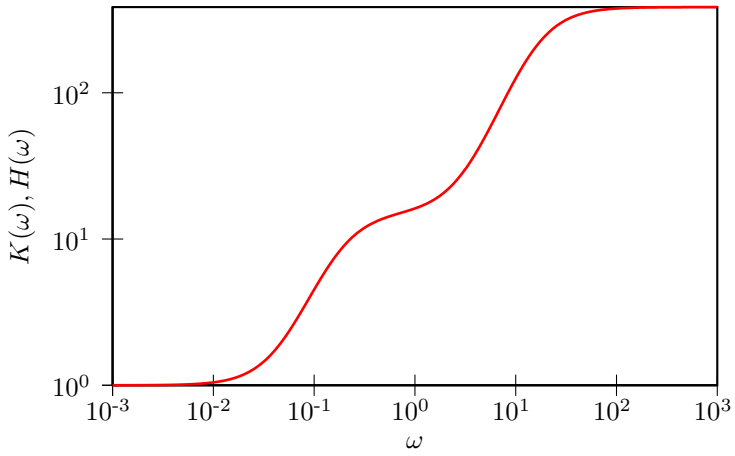
Generalized Langevin Equation analytics

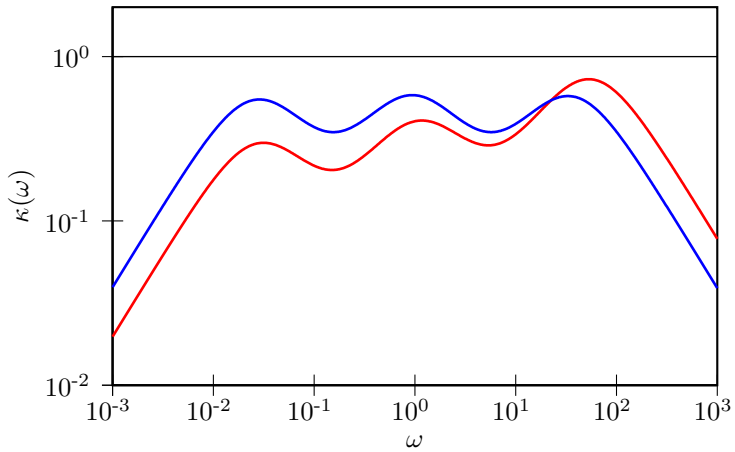
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 3.9014\times10^{+01} & -1.7842\times10^{+00} & 2.7948\times10^{+01} \\ 2.1775\times10^{+00} & 6.2397\times10^{-02} & 1.3040\times10^{+00} \\ 2.0744\times10^{+01} & -1.3040\times10^{+00} & 1.5464\times10^{+01} \end{pmatrix}$$

- **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. ($mD/k_B T$):** $9.8849 \times 10^{+00}$