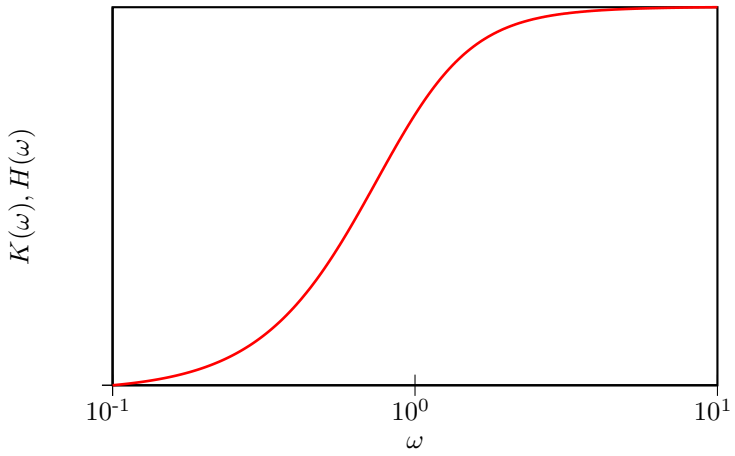
Generalized Langevin Equation analytics

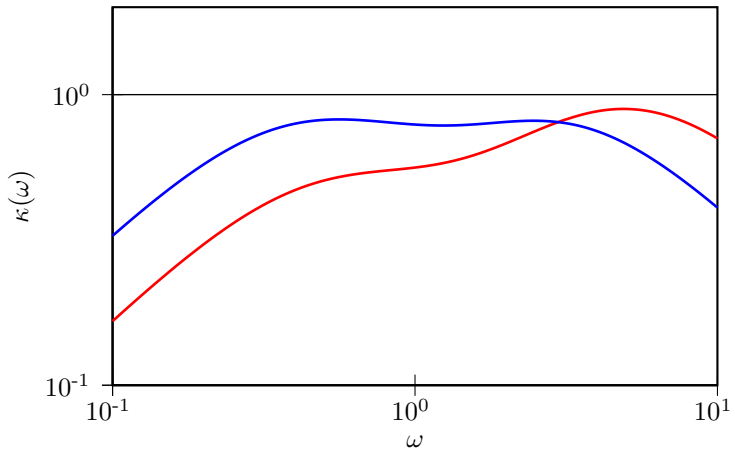
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 4.3864\times10^{+00} & 1.4004\times10^{+00} & -7.1078\times10^{-02} \\ 1.6894\times10^{+00} & 5.5956\times10^{-01} & -6.0769\times10^{-01} \\ 5.1798\times10^{-01} & 6.0769\times10^{-01} & 1.2317\times10^{+00} \end{pmatrix}$$

- **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):** 8.5653×10^{-01}