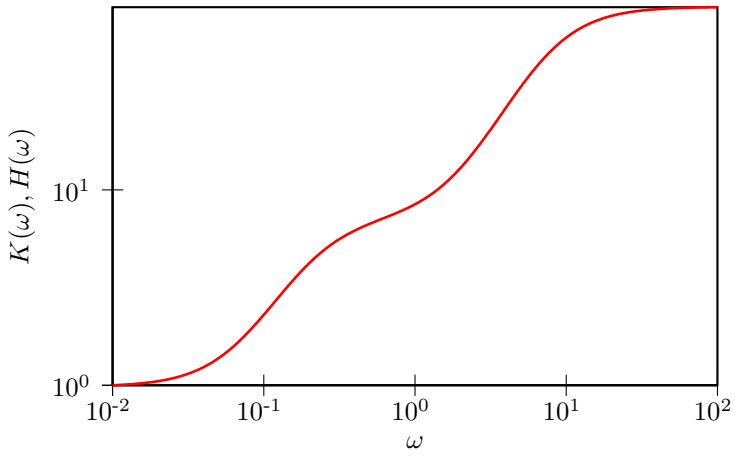
# Generalized Langevin Equation analytics

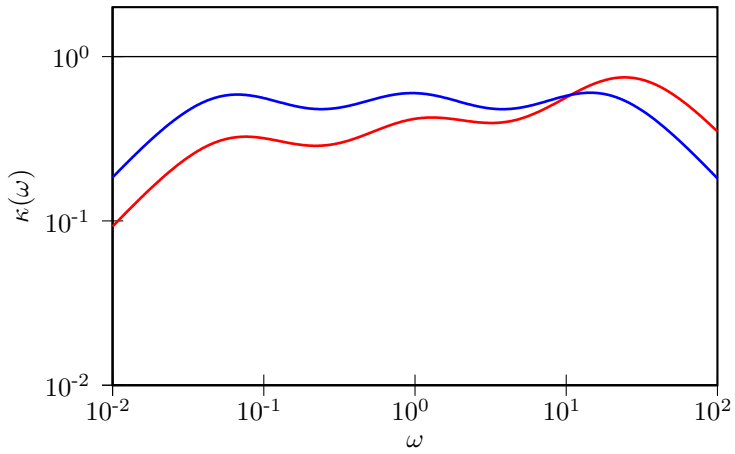
- **Drift matrix $\mathbf{A}_p$:**

$$\begin{pmatrix} 1.8604\times10^{+01} & 9.2196\times10^{-01} & -1.0221\times10^{+01} \\ 1.5132\times10^{-02} & 1.7878\times10^{-01} & 3.0848\times10^{-01} \\ -1.1803\times10^{+01} & -3.0848\times10^{-01} & 7.0631\times10^{+00} \end{pmatrix}$$

- **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. $(mD/k_B T)$:** $4.7297 \times 10^{+00}$