$$\phi(G) = O(k)\frac{\lambda_2}{\sqrt{\lambda_k}}$$

$$\min_{c\in\mathbb{R}^E} \|\mathbf{U}^{-1}(f-\mathbf{P}c)\|_\infty$$

$$\max_{w_i\geq 0} \ln\det(A_x^\top W^{1-\frac{2}{q}}A_x) - (1-\frac{2}{q})\sum_{i=1}^{m} w_i$$

$$\mathbf{M} \approx_\gamma \left[\begin{array}{cc} \mathbf{I} & \mathbf{0} \\ \mathbf{Z}_{FF}^{(k)}\mathbf{M}_{FC} & \mathbf{I} \end{array}\right] \left[\begin{array}{cc} \mathbf{M}_{FF} & \mathbf{0} \\ \mathbf{0} & \widetilde{\mathrm{Sc}}(\mathbf{M},F) \end{array}\right] \left[\begin{array}{cc} \mathbf{I} & \mathbf{M}_{CF}\mathbf{Z}_{FF}^{(k)} \\ 0 & \mathbf{I} \end{array}\right]$$

$$\begin{aligned} &D_t\frac{dx}{dt} = -\frac{1}{2}g(x)^{-1}\mathrm{Tr}\left[g(x)^{-1}Dg(x)\right], \\ &\frac{dx}{dt}(0) \sim N(0, g(x)^{-1}). \end{aligned}$$

$$\mathbb{P}_{x\sim p}(f(x) \geq \mathbb{E}f(x) + t) \leq e^{-O(t^2)/(t+\sqrt{n})}.$$

$$\sum_{u\in T} w_u \sum_{i\geq 1}(x_{u,i}+\delta)\log(x_{u,i}+\delta).$$