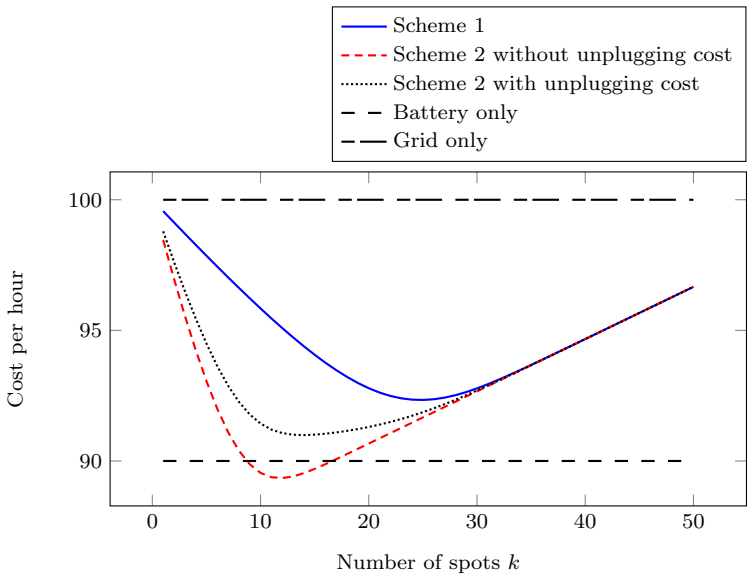

Figure 1: Cost variation according to number of dischargers

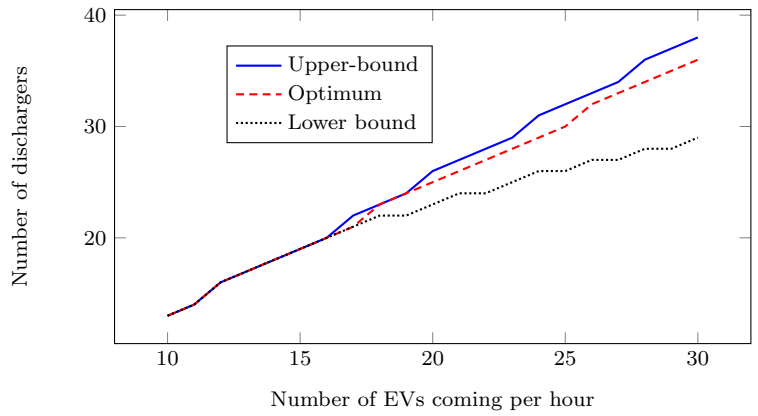

Figure 2: Gap between the upper-bound and lower-bound of k and its real value, when μ =1,θ =0.2

Figure 3: Upper and lower bounds of optimal number of dischargers

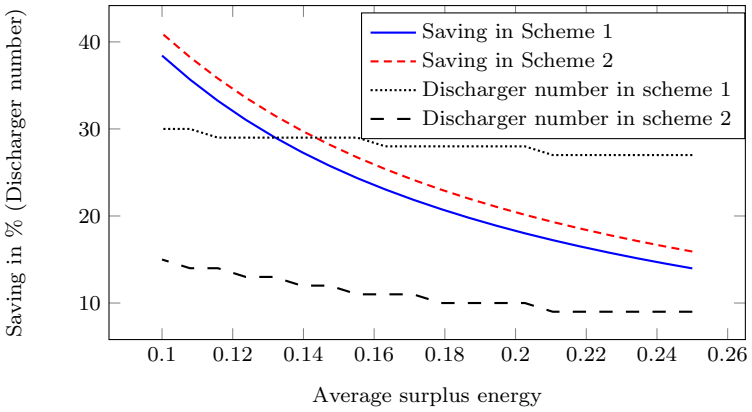

Figure 4: Saving comparison between no unplugging (Scheme 1) and with unplugging (Scheme 2) as surplus energy decreases

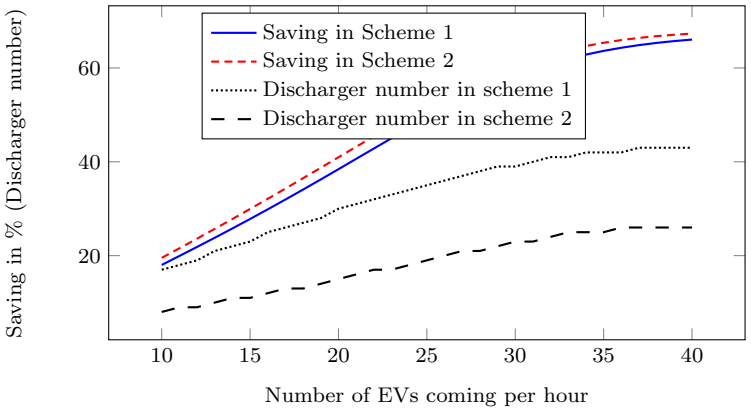

Figure 5: Saving comparison between no unplugging (Scheme 1) and with unplugging (Scheme 2) as coming rate increases

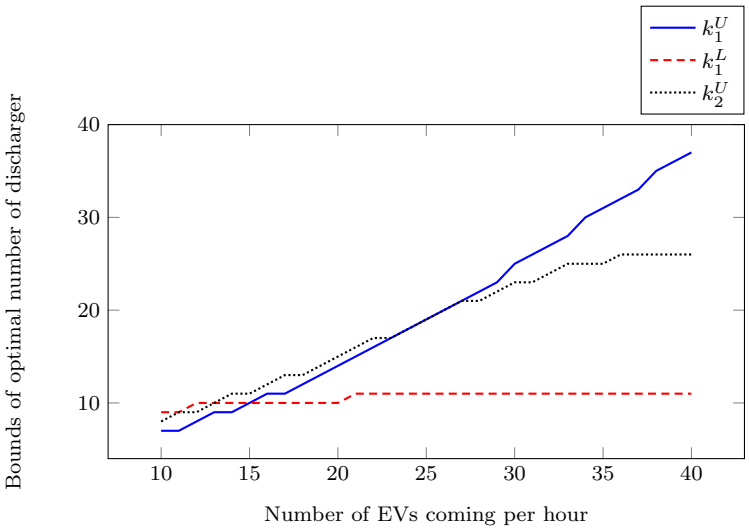

Figure 6: Bounds