Figure 1: Top Figs. $C$ (solid lines, $\kappa = 0.1, 1, 10$ bottom to up) and the upper bound $C'$ (dashed line) in units of bits/channel use vs. $K$. $K$ determines the distance $d$ via $K = \rho \pi^2 d^2 \tan^2 \theta$. The other parameters are $\gamma = 1$, $\rho = 1$ sensor/m$^2$, $\theta = 45^\circ$, $\text{SNR} := P(\kappa + 1)/(\kappa \sigma^2)$. Middle Figs. The number of sensors is Poisson distributed with the mean $\rho A$. $y$ axis is the same as above, the $x$-axis shows $\rho A$. Bottom Figs. Same as the middle figures except $\rho$ varying, $d = 10$ meter is fixed. There are four curves in every figure, but several of them overlap and appear as one.