

Capacity Figures for SENMA

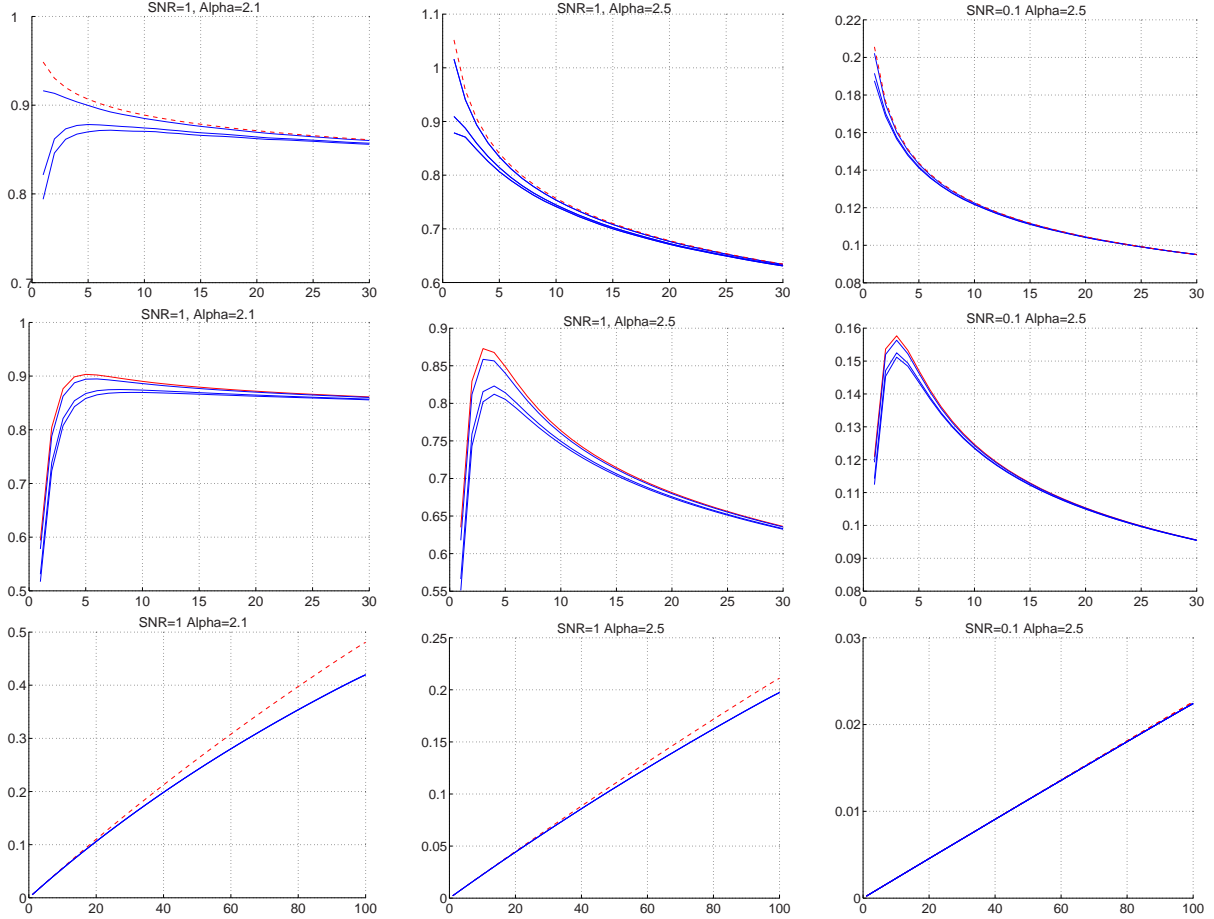


Figure 1: *Top Figs.* C (solid lines, $\kappa = 0.1, 1, 10$ bottom to up) and the upper bound C' (dashed line) in units of bits/channel use vs. K . K determines the distance d via $K = \rho\pi^2 d^2 \tan^2 \theta$. The other parameters are $\gamma = 1$, $\rho = 1$ sensor/m², $\theta = 45^\circ$, $\text{SNR} := P(\kappa + 1)/(\kappa\sigma^2)$. *Middle Figs.* The number of sensors is Poisson distributed with the mean ρA . y axis is the same as above, the x -axis shows ρA . *Bottom Figs.* Same as the middle figures except ρ varying, $d = 10$ meter is fixed. There are four curves in every figure, but several of them overlap and appear as one.