

Figure 3.1: Probability function of Poisson with $\Delta t = 20s$; left $q = 90veh/h$ ($\mu = 0.5$); right $q = 720veh/h$ ($\mu = 4$).

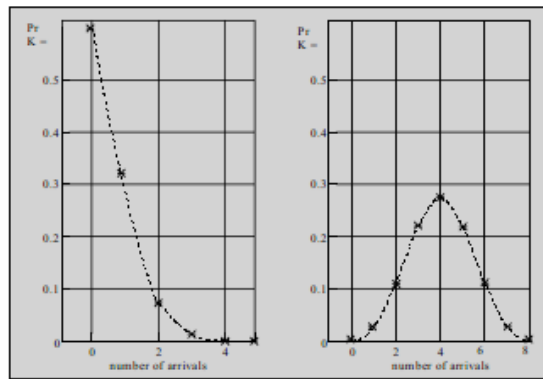
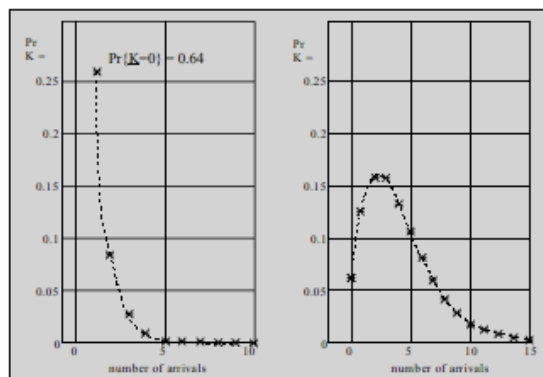


Figure 3.2: Binomial probability function at $\Delta t = 20s$; left $q = 90veh/h$ ($p = 0.1, n = 5$); right $q = 720veh/h$ ($p = 0.8, n = 8$).



Negative Binomial

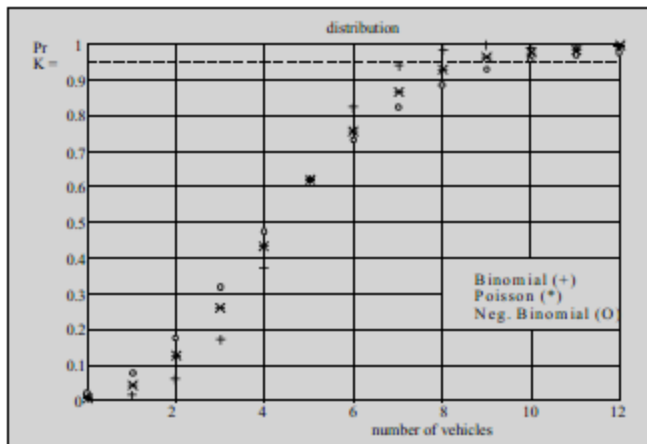


Figure 3.4: Distributions Binomial, Poisson and Negative-Binomial

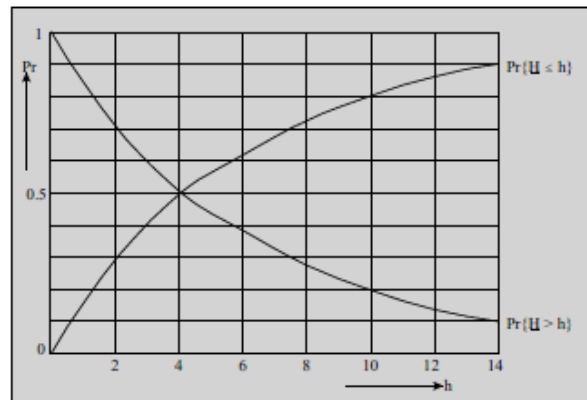


Figure 3.5: Survival function $S(h)$ and distribution function $P(h)$ of an exponential distribution