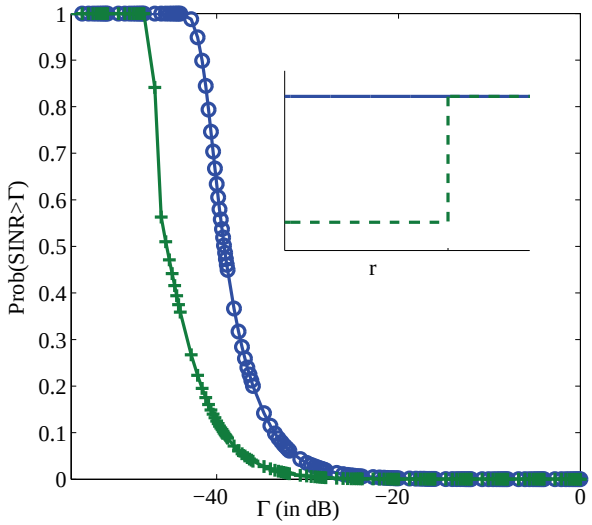
Stochastic Ordering Based Carrier-to-Interference Ratio Analysis for the Shotgun Cellular Systems

Prasanna Madhusudhanan, Juan G. Restrepo, Youjian (Eugene) Liu, Timothy X. Brown, and Kenneth R. Baker

Abstract **A**

52 .7 -33.6 2.2 6-1.4 3 1 2.37 2.37 4.6 471.225 1 1 .626
-1.125 D.5 .5-354.4 6 6 6 -33.2 6 6 . .7 -1.164 D.25 43.1 -43.2 6.1 -427.6 -435.4 56.,-41 1. -432. -1. 6.1

and i.i.d. transmission powers can be captured by modifying the BS density as shown in Section IV-D, they are assumed to be 1 for all BSs. The generalization to arbitrary path loss model is given in [2, Section VI], which is also equivalent to modifying the BS density $\lambda(\ )$. As a result, ^{C}


Prob(SINR>Γ)
Γ (in dB)
r
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−40
−20
0