

Statistical Analysis for Mean Communication Range under Nakagami Fading in Wireless Ad Hoc Networks

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(Pt9)Abstract—T Over the last few decades mean communication range has attracted considerable attention in wireless networks. One of the main metric for deciding the performance of a wireless network is the mean communication. The analysis of fading effect on mean communication range is equally important for establishing a reliable and efficient communication system. In this research paper, the effect of Nakagami fading on mean communication range in case of wireless sensor networks has been discussed. Extensive investigations are conducted to analyse the effect of Nakagami-m fading to signify importance of it over the mean communication range. The results are governed and enhanced through the efficient use of simulation tools.

(Pt9)Keyword— Mean Communication Range; Nakagami- m fading; Attenuation Constant; Non randomness; Wireless ad hoc.



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