

Question: How does the analysis change for CDMA systems and more general channel models?

Answer: The channel model and the medium access scheme affect only the value of ψ . The rest of the analysis is the same. In class we performed the analysis for TDMA with the Gilbert-Elliot channel model. Analysis for CDMA scheme with the Gilbert-Elliot channel model can be found in the paper.

A qualitative performance comparison between CDMA and TDMA can be obtained from the second-order approximation. TDMA has bursty servicing and hence greater service variance and hence worse performance.