

# Download Unslotted Aloha

Difference Between Pure ALOHA and Slotted ALOHA June 23, 2016 12 Comments Pure ALOHA and Slotted ALOHA both are the Random Access Protocols, that are implemented on the Medium Access Control (MAC) layer, a sublayer of Data Link Layer. We propose the finite-state Markov channel (FSMC) model to the throughput analysis of DS CDMA/unslotted ALOHA wireless networks in the mobile environment. The FSMC model can characterize the correlation structure of Rayleigh fading process, and the degree of correlation depends on the Doppler. 6.02 Spring 2011 Lecture 13, Slide #1 6.02 Spring 2011 Lecture #13 • unslotted Aloha • carrier sense, contention windows • code division glimpse In unslotted ALOHA, a transmitted packet can be sent at any starting time and can be of varied duration. In slotted ALOHA, there are fixed-sized synchronized time slots. A sender can send in any time slot, and the data packets should all be slightly smaller than a time slot duration. Collisions can be complete or partial in unslotted ALOHA, but are complete in slotted ALOHA. Even a partial collision usually calls for retransmission of the packet.