Simulation of Plain and Slotted Aloha

Throughput of Plain & Slotted ALOHA vs Packet Duration
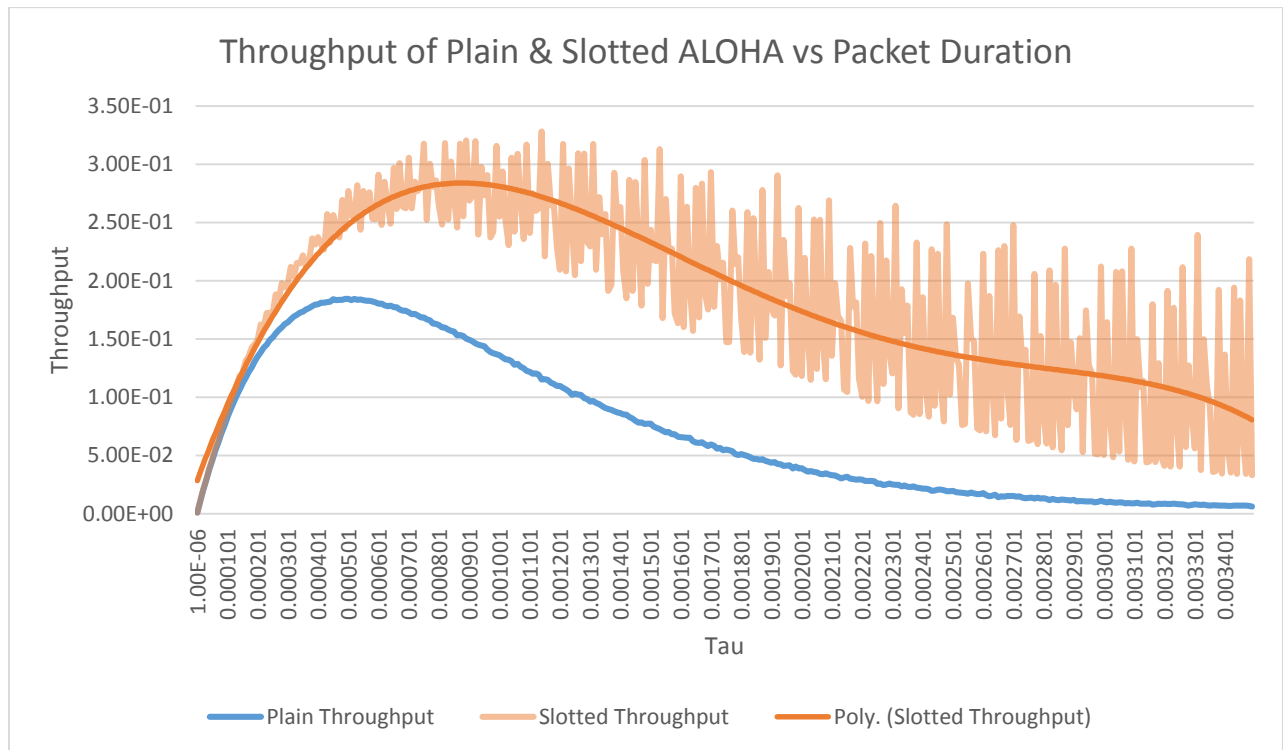

The graph shows the throughput of plain and slotted aloha. Based on the data gathered and a trend line, the optimal packet duration is 0.000841 for slotted aloha and 0.000421 for plain aloha. The data also shows that slotted aloha has a higher throughput for any packet duration specified.