Incast number	Egress bandwidth	Parameter(chaging lower threshold)

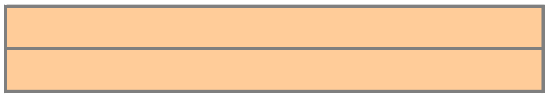
10	50Mbps	double Alpha = 0.1;
		double AI = 1.0;
		double MD = 0.5;
		double Hth = 5500;
		double Lth = 2000;
		double initial_rate = 5;
		uint32_t n = 5; // HAI

10	50Mbps	double Alpha = 0.1;
		double AI = 1.0;
		double MD = 0.5;
		double Hth = 5500;
		double Lth = 1000;
		double initial_rate = 5;
		uint32_t n = 5; // HAI

10	100Mbps	double Alpha = 0.1;
		double AI = 1.0;
		double MD = 0.5;
		double Hth = 5500;
		double Lth = 1000;
		double initial_rate = 5;
		uint32_t n = 5; // HAI

10	100Mbps	double Alpha = 0.1;
		double AI = 1.0;
		double MD = 0.5;
		double Hth = 5500;
		double Lth = 5000;
		double initial_rate = 5;
		uint32_t n = 5; // HAI

TCP TIMELY
99-percentile RTT: 7106 µs Median RTT: 5747 µs Average RTT: 5761.27 µs AVG queue occupancy: 7.60856 pkts AVG Throughput: 35.1158Mbps
99-percentile RTT: 7199 µs Median RTT: 5770 µs Average RTT: 5793.51 µs AVG queue occupancy: 7.90743 pkts AVG Throughput: 35.0237Mbps
99-percentile RTT: 7851 µs Median RTT: 5820 µs Average RTT: 5871.71 µs AVG queue occupancy: 30.2923 pkts AVG Throughput: 66.3362Mbps
99-percentile RTT: 7791 µs Median RTT: 5832 µs Average RTT: 5891.61 µs AVG queue occupancy: 30.951 pkts AVG Throughput: 66.5827Mbps



Comments
We can see a bit performance degradation when we increase the low threshold and make gradient control rang
However, the infuence is very small in this scenerio from 2000 -> 1000
no clear difference with performance when bandwidth is low and additive step is similar to gradient increasing
Performance changing is very small with larger bandwidth in this case.
Simulation with larger bandwidth is required, but my program runs too slow in a virtual machine when I set bar

ıdiwdth to be larger than 100Mbps