COMPUTER COMMUNICATION NETWORKS

Department of Electronics and Communication Engineering

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TCP Congestion Control - II

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TCP Congestion Control

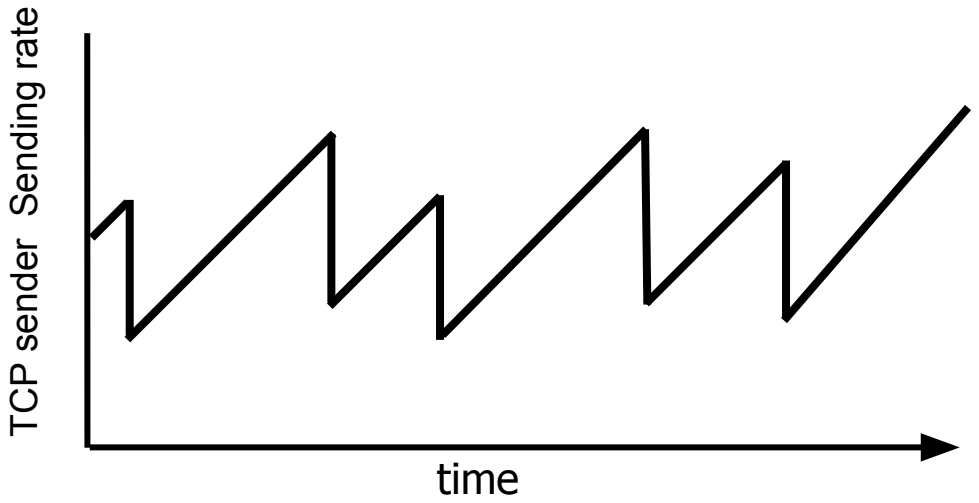
TCP congestion Control approach is **AIMD** **A**dditive **I**ncrease **M**ultiplicative **D**ecrease

Additive Increase

Increase sending rate

Multiplicative Decrease

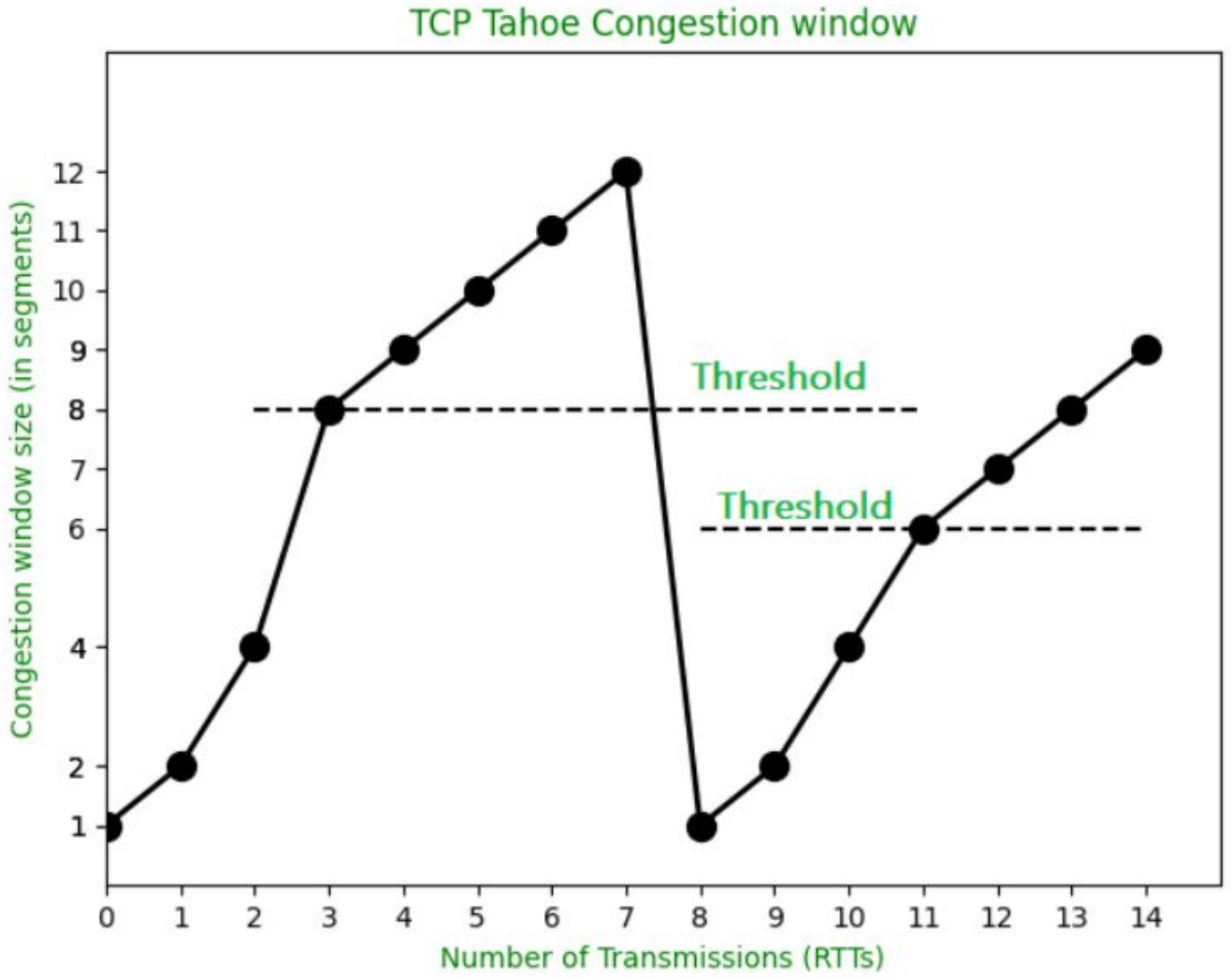
Cut sending rate at each loss event



AIMD sawtooth behavior: *probing* for bandwidth

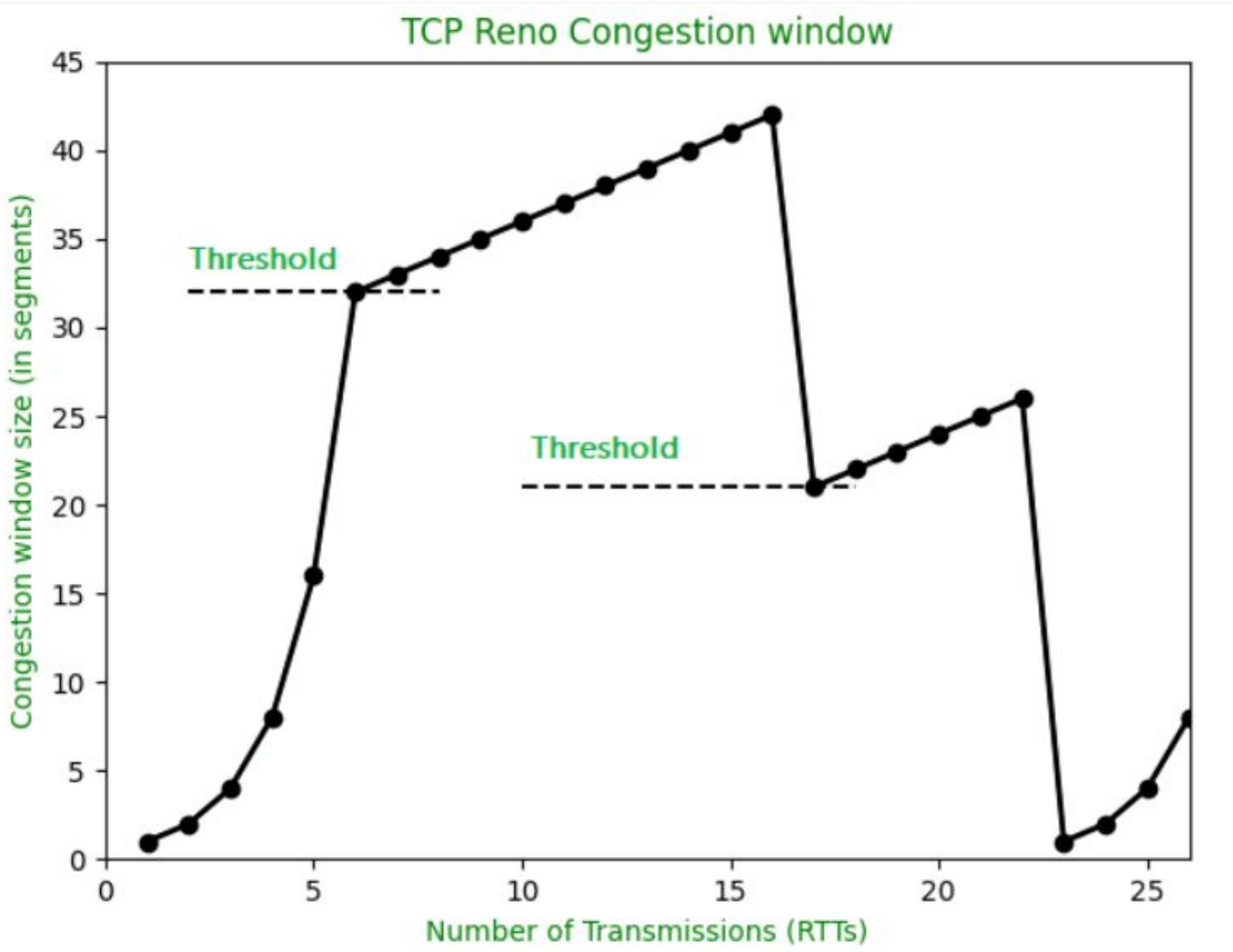
TCP Congestion Control

TCP Tahoe



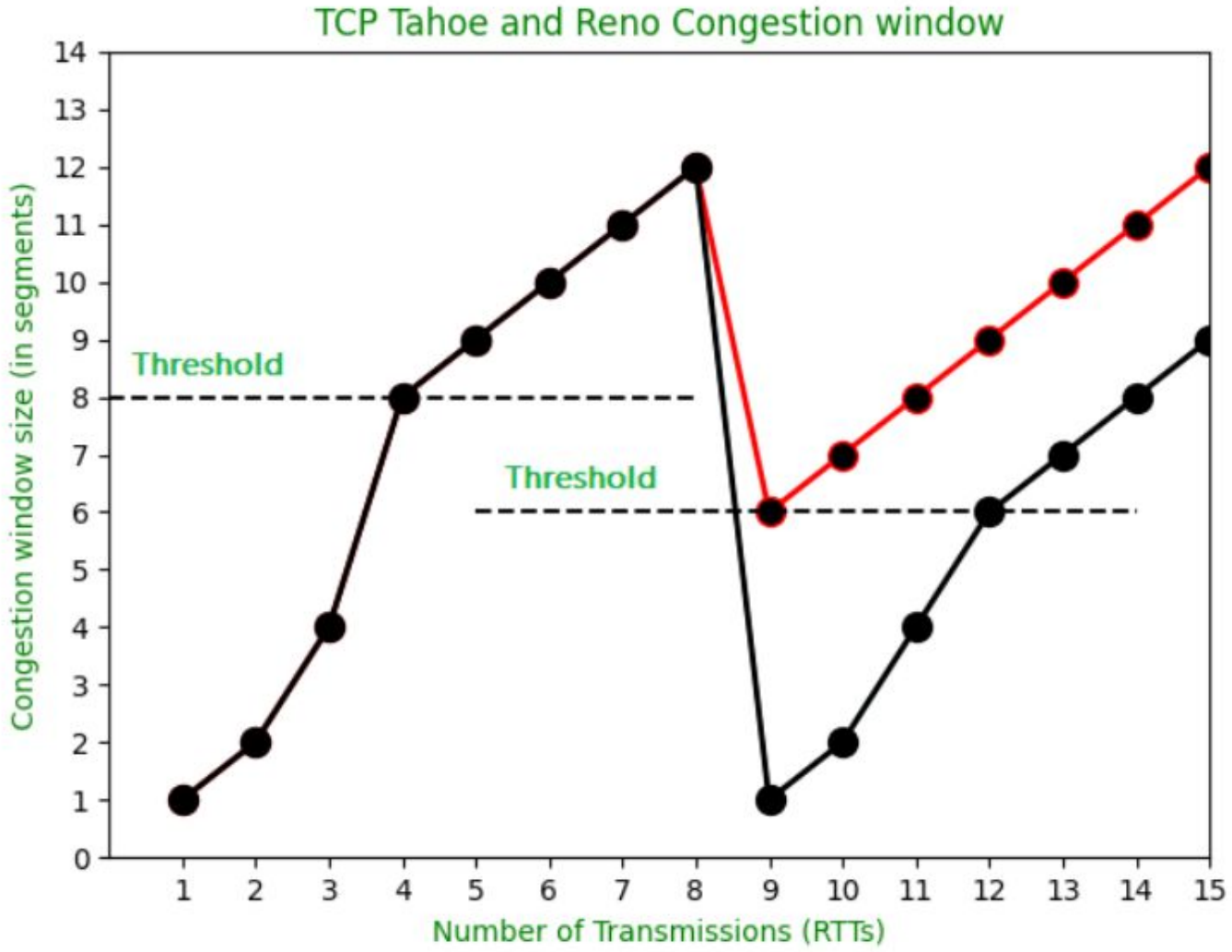
TCP Congestion Control

TCP Reno



TCP Congestion Control

TCP Tahoe & Reno



Numerical Problems

https://gaia.cs.umass.edu/kurose_ross/interactive/tcp_evolution.php

THANK YOU

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