## **SHRED**

An Active Queue Management

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References

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Paper Link https:
//core.ac.uk/download/pdf/47187389.pdf
Author Matt Hartling, Mark Claypool, Robert Kinicki
Publish Date May 22, 2002
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## Motivation

- Most of the Improvements of RED are focused on Long-lived flows
- For Web only traffic, RED performs worse than Droptail
- Short-lived flows have small congestion window
- Short-lived flows are sensitive to packet drop



- It extends gentle RED algorithm
- In SHRED, we send host or edge routers the information about current congestion window
- min<sub>th</sub> and max<sub>p</sub> is adjusted according to current window
- the slop of the drop probability line remains same for given parameter

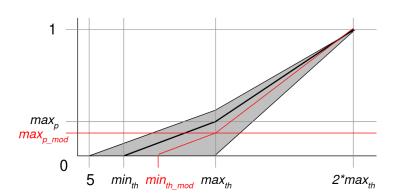


Figure: Computing Drop Probability in SHRED



## **Improvement**

