

Sdr: Do not use RTT measurement for retroughts plot. 3. Parhit lows OLD ALGORITHM Sample RTT: most recent Estin RTT = X. Estin RTT + (1-X) Sampla RTT blike an arg. 1/2m $\alpha \approx 1 \Rightarrow$ less importance to current measurement 0 20 3) Let of importance to recent Timeout = 2 x EstimRTT NEW ALGORITHM Crowsian Distrib.

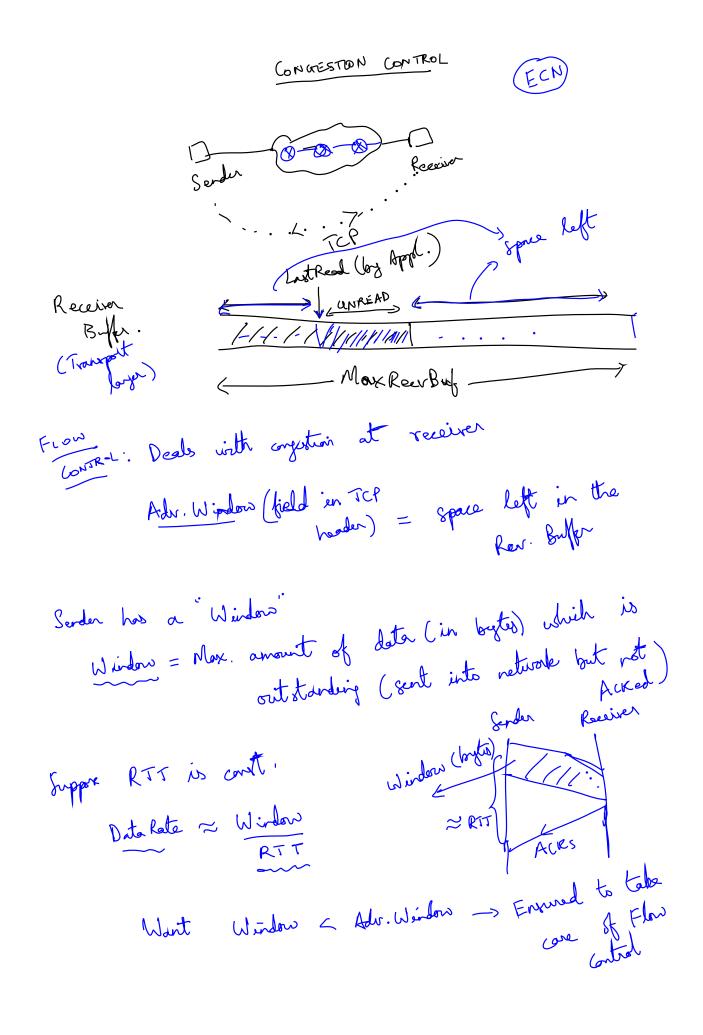
Measure EstimRTT as before Diff = Sample RTT - Estin RTT ~ xi-x Suppose x, x2, --, xx are sme values (i.i.d.)
from variable X Extra 2 - 1 2 x; Mean std = $\sqrt{\frac{1}{N}} \sum_{k=1}^{N} (x_k - \overline{x})^{2k}$ MEAN DEVIATION = $\frac{1}{N} \frac{N}{N^{-1}} \left[\frac{N}{N} - \frac{1}{N} \right]$ DEV = DEV (1-B) + BIDY | recent for all a paraller value of the pa TIMEOUT = UX EstimPTT + PX DEV

LA Typical value

M=1

P=4

Typical value (Reed EstinRTT = & EsterikTT + (1-x) SampleRTT) $\alpha = 7/8$, $\beta = 1/4$



How to deal with congetion at routers. Colculate Cong. Window
Calculate Cong, Window
Window = min (Adv. Window, Cong. Window)
Window ~ Datakate x RTT
DELAY - BANDWIOTH PRODUCT
Sender Of Rossia
Sender State vale Receives to sandayare is an alayare
diameter ~ data vate solume - analogous size window size