

Congestion Control IV

Why AIMD

Congestion Control

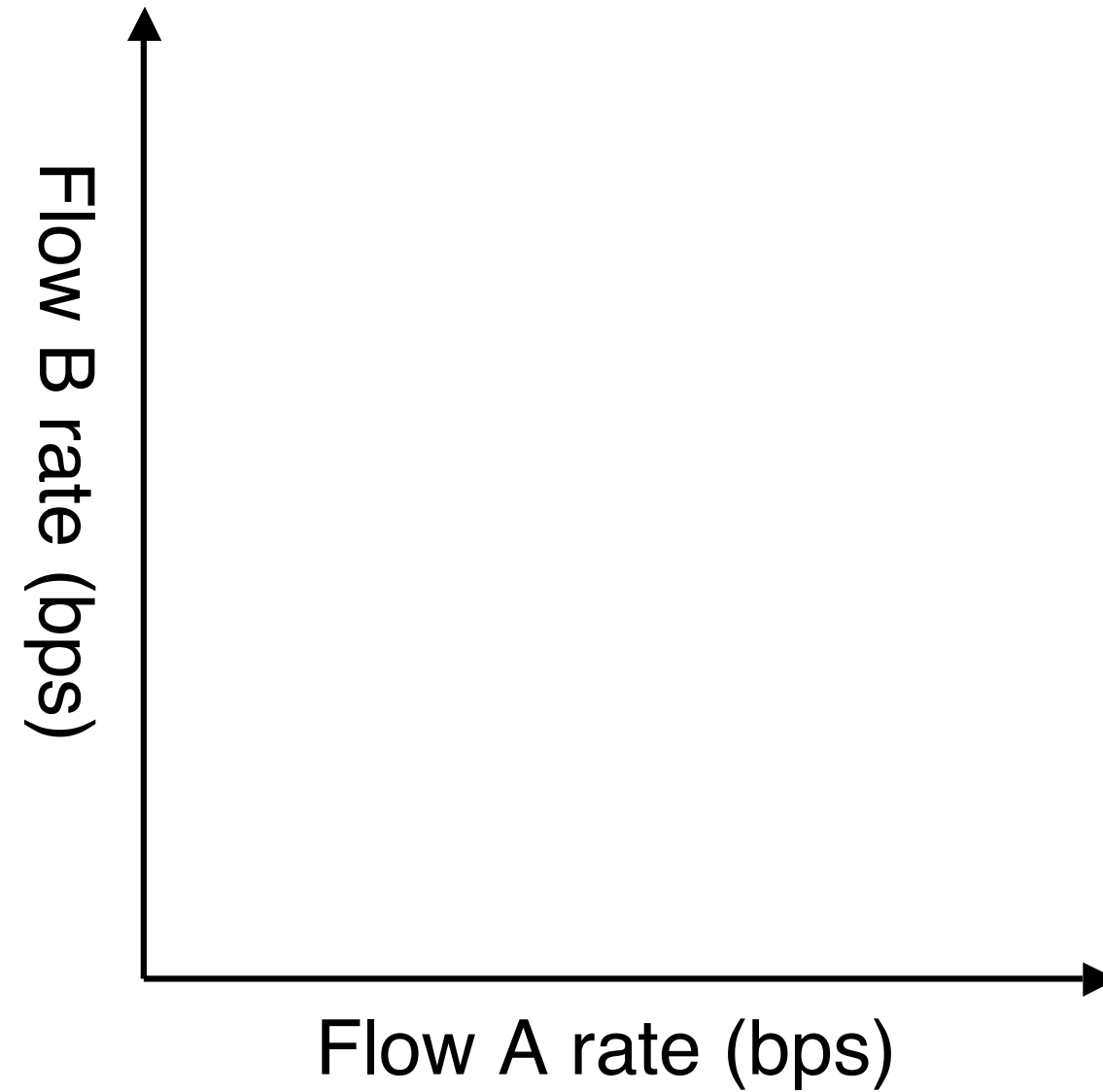
- Service Provider: maximize link utilization
- User: I get my fair share
- Want network to converge to a state where everyone gets $1/N$
- Avoid congestion collapse

Congestion Window Size

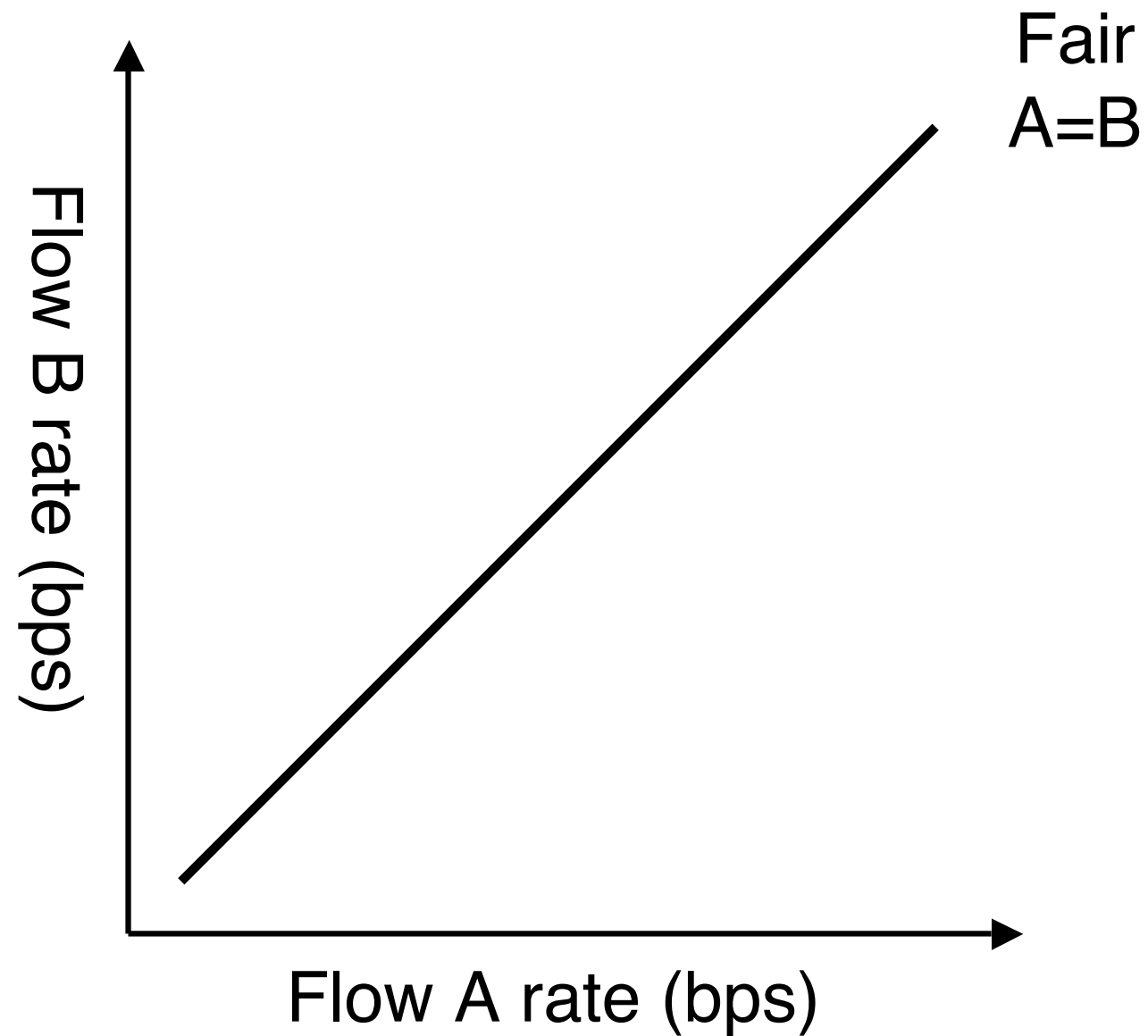


Optimal congestion window size is the bandwidth-delay product

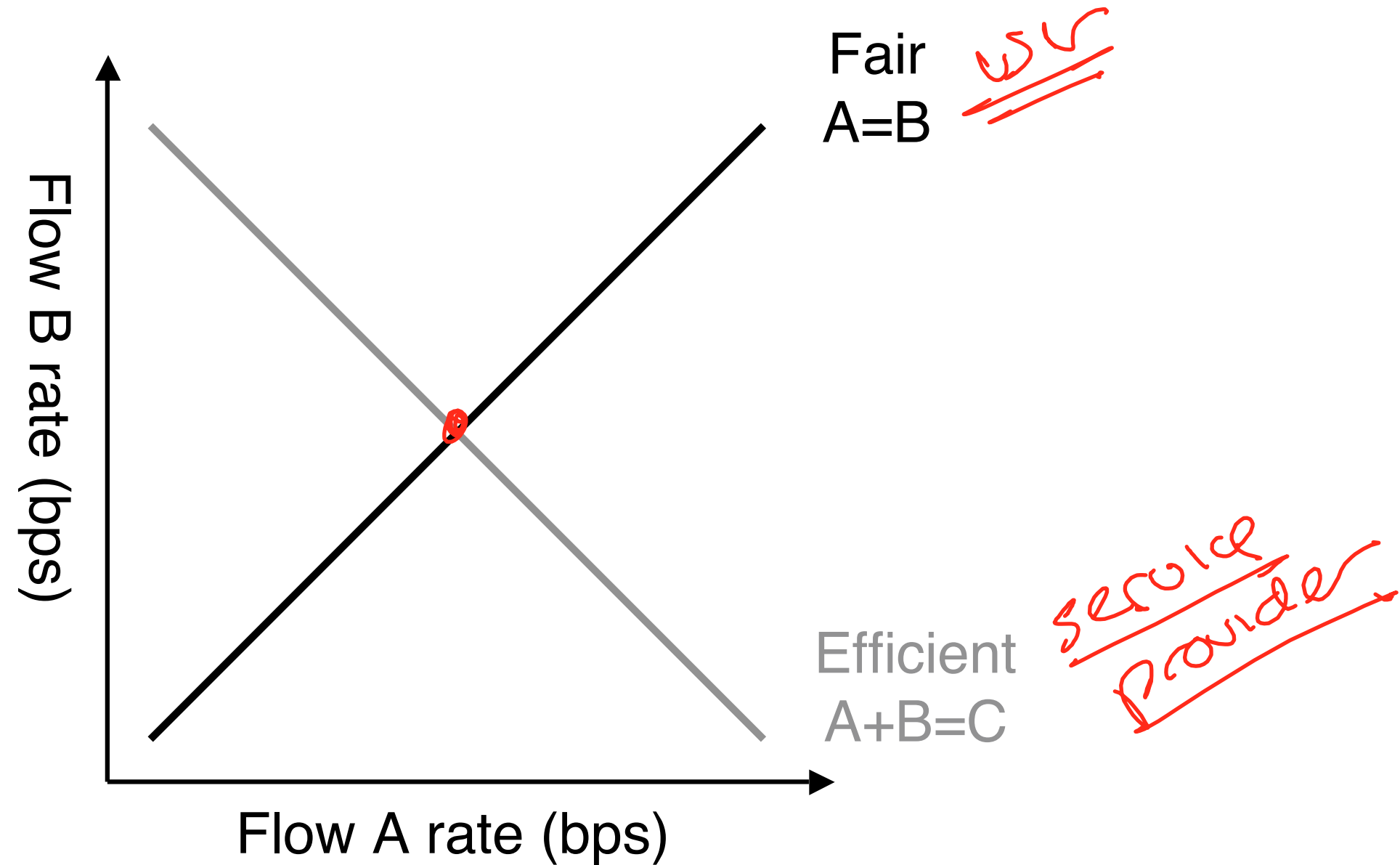
Chiu Jain Plot



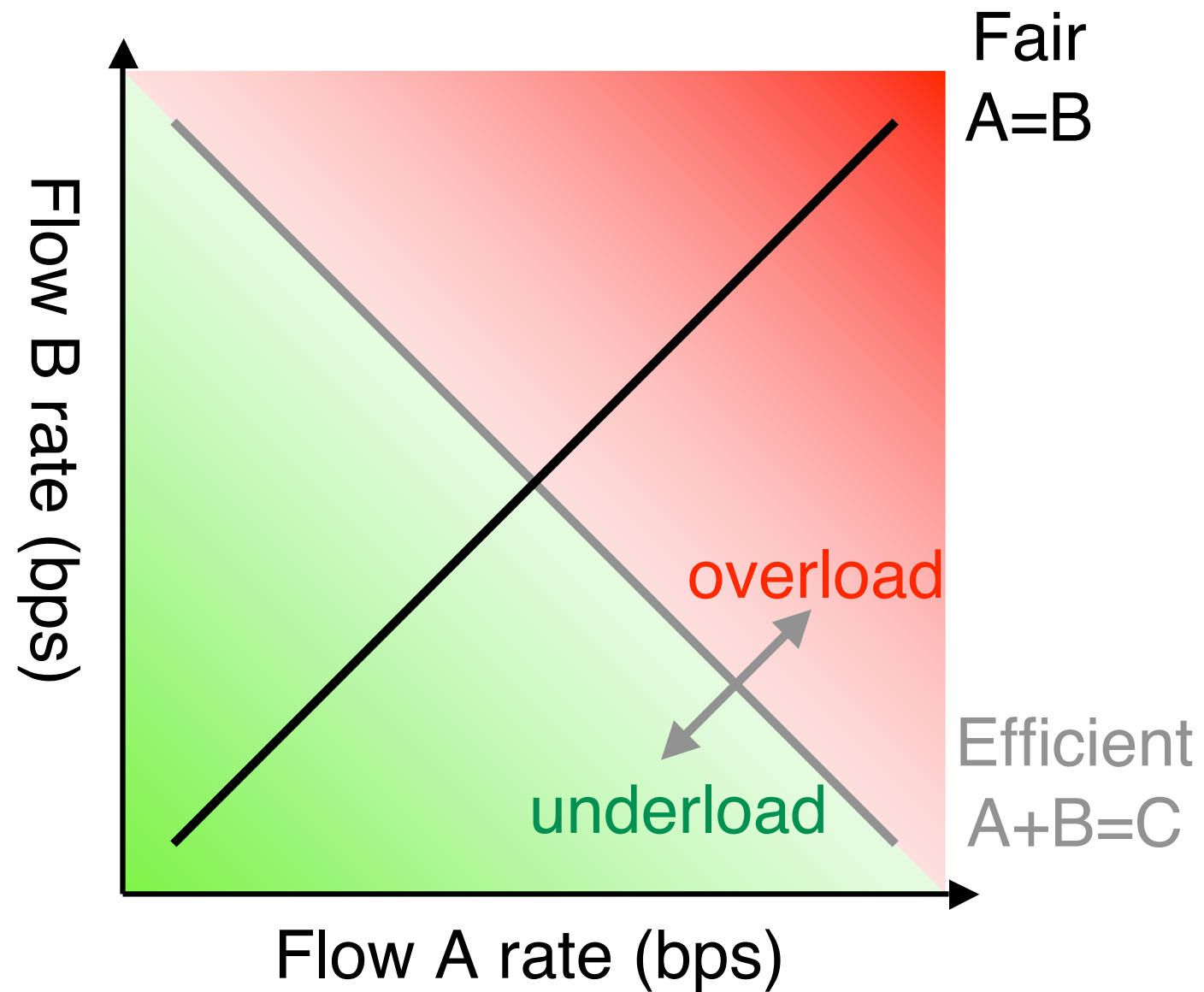
Chiu Jain Plot



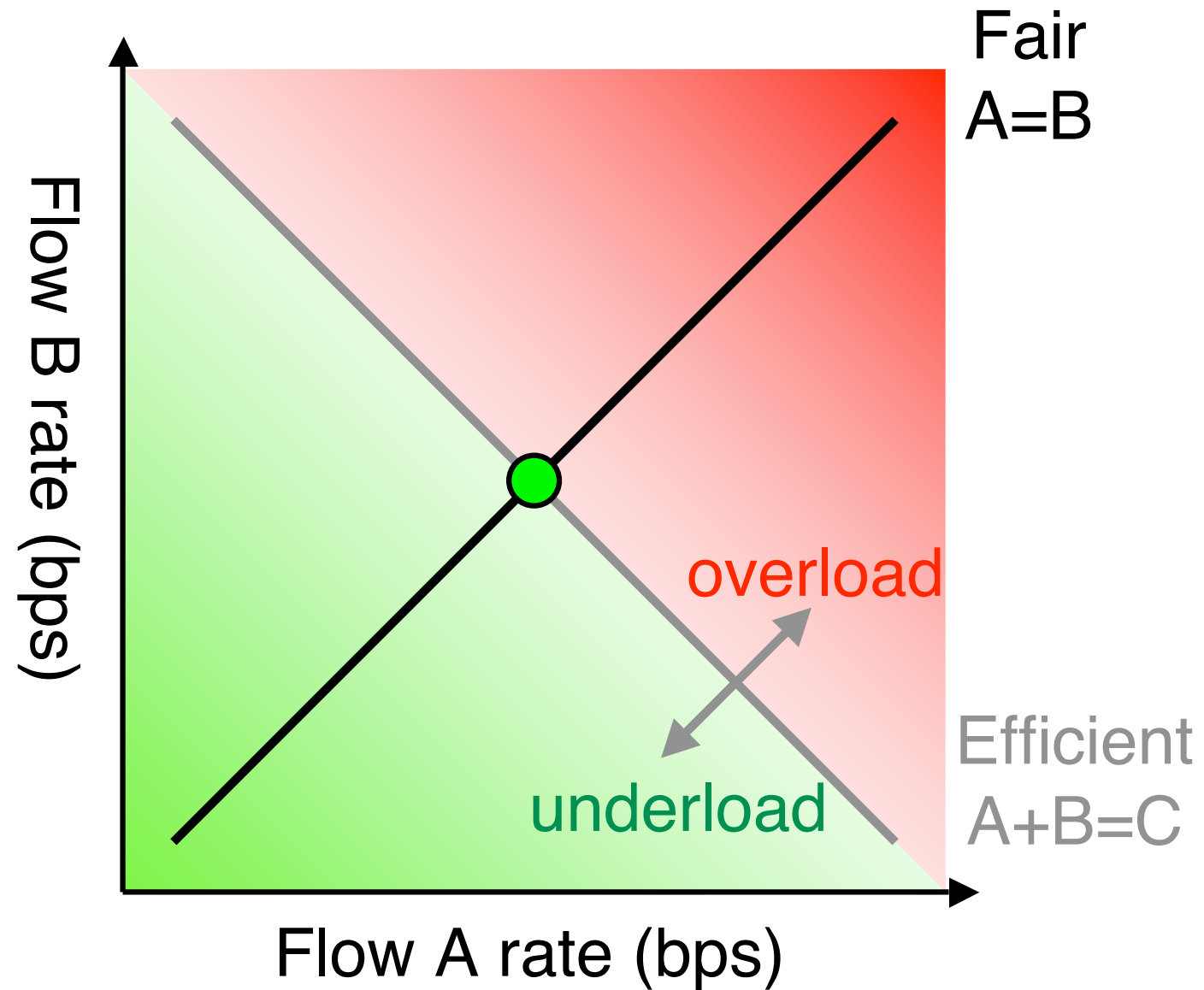
Chiu Jain Plot



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