

# Paper #1569385943: Impact of queueing delay estimation error on equilibrium and its stability

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## DCA protocols

- ▶ RTT-based
- ▶ Use queueing and propagation delays
- ▶ FAST-TCP

## How to estimate the queueing delay ?

- ▶ Learning iterative process
- ▶ Feedback

## Learning

- ▶ Easy to implement (user side)
- ▶ Multiple equilibrium points
- ▶ Loss of fairness

## Measurement

- ▶ Unique fair equilibrium
- ▶ Difficult to implement (server side)
- ▶ Oscillations due to quantization