Modeling Variable Throughput Channels with Stochastic ODEs
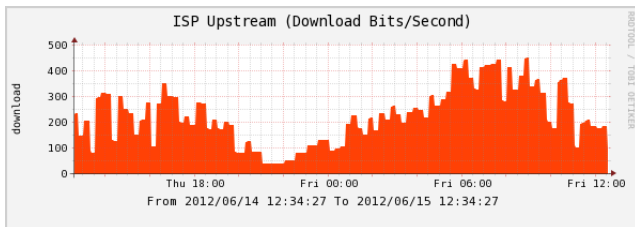
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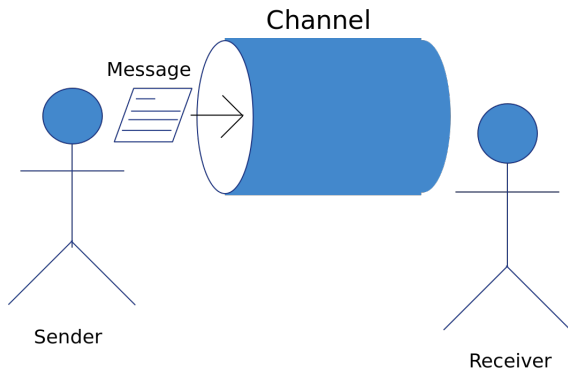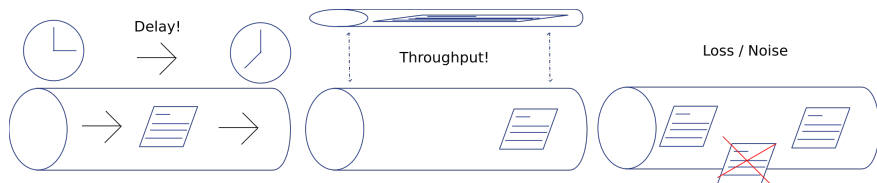
April 21, 2014

Outline

Introduction

Stochastic differential equations are often used to model the nondeterministic behavior of network channels in computer science.

Networking Basics

A **Channel** is the medium through which a message propagates from sender to receiver.

Channel

Message

Sender

Receiver

Channel Characteristics

Demonstration