Analytical Optimal Solution of Selfish Node Detection with 2-hop Constraints in Opportunistic

Networks: A Pontryagin’s Maximum Principle Approach

#intro大纲#

- 机会网络现状(自私节点degrade转发/虚假转发,网络性能)(靠相遇机会增大投递率,message多个副本,过多的副本->overload –>degrade 网络性能)

- 面临的问题/挑战 (1.大量副本的问题/ 多副本-twohop) (2.selfish出现-3.检测方法本身也有成本)

- 现有解决方案及其不足/缺陷

- 本文思想

- 本文面临的问题及解决方案简介

- 简介本文工作，分点介绍本文贡献（1.）

- 本文组织结构

Gaoyang…

\_ we formulate an M=G=1 queuing model to capture and analytically evaluate the on-demand MDC when only a single ME is available in the network (Section IV);

\_ we construct an M=G=c queuing model for the case when multiple MEs are deployed, based on which the data collection performance is explored via close approximation (Section V);

\_ we use three examples to show how such analysis guide the on-demand MDC in practice (Section VII).