



UC3M-ICMAT Seminar – 2014

Applied Probability and Statistics

A short (random) walk through the Queueing Theory

Bernardo D'AURIA (UC3M-ICMAT)

Thursday, September 26, 2013

13h00, *ICMAT, Aula Gris 1*

In this talk I will discuss some topics in Queueing Theory that my research has been recently focused on. In particular I'll discuss about two specific problems.

The first problem is the fluid convergence limits for closed multi-class queueing networks, calculated as the number of customers in the net grows to infinity.

This result is useful to analyze the congestion nodes of telecommunication networks. The second problem is the analysis of queueing systems or networks under an economic viewpoint in search of possible Nash equilibriums implying stable social dynamics of these systems.

Instituto de Ciencias Matemáticas
Campus de Cantoblanco UAM
C/ Nicolás Cabrera 13-15
28049 Madrid, Spain
www.icmat.es