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## Preface

These notes include the material from a series of nine lectures given at the Saint-Flour Probability Summer School, July 2 - July 15, 2006. Lectures were also given by Alice Guionnet and Steffen Lauritzen. It was my first visit to Saint-Flour, which I enjoyed considerably.

The topic of these notes, the stability of queueing networks, has been of interest to the queueing community since the early 1990s. At that point, little was known about this and other aspects of queueing networks in general settings. There is now a theory (albeit incomplete), with positive criteria for stability as well as examples where such stability fails. I felt that the time was right to combine in one place a summary of such work.

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