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The M/M/Infinity Service System with

We consider an M/M/Infinity service system in which an arriving customer is served by the first idle

asymptotic expansions of the moments of L as lambda tends to infinity, where L is the index of the

server S\_L serving a newly arriving customer in equilibrium, and lambda is the ratio of the arrival rate

server in an infinite sequence S\_1, S\_2, ... of servers. We determine the first two terms in the

to the service rate. The leading terms of the moments show that L/lambda tends to a uniform

**Ranked Servers in Heavy Traffic** 

Patrick Eschenfeldt, Ben Gross, Nicholas Pippenger

## **Submission history**

From: Nicholas Pippenger [view email] [v1] Thu, 7 Jul 2011 23:42:26 GMT (5kb)

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