A two-class queueing system with constant retrial policy and general class dependent service times

Ioannis Dimitriou

PII: S0377-2217(18)30211-X
DOI: 10.1016/j.ejor.2018.03.002
Reference: EOR 15021

To appear in: *European Journal of Operational Research*

Received date: 13 October 2017
Revised date: 2 March 2018
Accepted date: 2 March 2018

Please cite this article as: Ioannis Dimitriou, A two-class queueing system with constant retrial policy and general class dependent service times, *European Journal of Operational Research* (2018), doi: 10.1016/j.ejor.2018.03.002

Highlights

- A two-class retrial system with class dependent service times is analyzed.
- Stationary analysis is provided by solving a Riemann boundary value problem.
- Stationary analysis is provided by solving a Fredholm integral equation.
- Provide a building block towards the generalization to the case of N orbits.
- Provide explicit expressions for basic performance metrics in the symmetric model.