

Peer Review

Review of: "Perturbation Methods for Phase-Type Queueing Models"

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The paper is well written, and I thoroughly enjoyed reading it. However, the paper does not provide a literature review or references, making it difficult to judge the originality of its content. Certain parts are not explained clearly. For example, the author did not mention that ρ is the p.m.f. of the queue size. The condition $\rho < 1$ appears in the context of the stationary distribution without explaining how it arises.

The numerical computation section compares the performance measures $E[N]$ and $E[W]$ without defining them until the discussion section. My field is statistical inference, and I have worked on inferences related to simple M/M/1 queueing models. Thus, I am looking for more complex queueing models for which statistical inferences could be more interesting. This paper does broaden my knowledge in this field.

Declarations

Potential competing interests: No potential competing interests to declare.