Quantitative
Modeling
In
Parallel
Systems

On the Symmetrical Shortest Queue and the Compensation Approach

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Abstract The compensation approach has recently been introduced for the determination of the stationary distribution of two-dimensional random walks without one-step transitions to the North, the North-East and the East. It is claimed that this approach produces the exact representation for the stationary state probabilities. The present study shows that this claim is incorrect for the case of the symmetrical shortest queueing model.

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