

Algorithmic construction of the generator matrix for the multiserver job model

Sergey Astafiev*

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The report will talk about the algorithmic construction of a generator matrix for a computing cluster model with a randomized service rate switching policy. It will be told about the algorithm for constructing a generator matrix of such a process, which theoretically allows you to construct a matrix for a system of any size, but in practice limited by the size of the computer's RAM. Examples of calculating the stationary distribution based on the matrix obtained using this algorithm will be given.

*Institute of Applied Mathematical Research, KarRC RAS, seryymail@mail.ru