

PROGRAMME REALIZATION OF MATHEMATICAL OPERATIONS OF FLOW MULTIPLEXING AND DEMULTIPLEXING FOR NETWORK MODELS

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The paper deals with the problem of constructing mathematical models of event flow multiplexing and demultiplexing operations. The flows are described at the level of the first two moments of time distribution between events. The results obtained make it possible to write the equilibrium equations for the flows circulating in network models and to decompose the latter into individual nodes to calculate their characteristics.

Flow distribution characteristics – mathematical expectations and dispersions, flow multiplexing and demultiplexing, approximation of distribution laws and flows, flow equilibrium equations.

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