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THE EULERIAN GRAPHS APPROXIMATION METHODS FOR THE PROBLEM OF COMMUNICATIONS MONITORING

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One of the approaches to organization of communication system monitoring is approximation of corresponding graph by Eulerian graph, that excludes repeated vertex advancing.

The work provides classification of the input graph vertexes in regard to edges between subsets with even and odd degrees. The study also considers various approximating graph construction methods, first of all those, that minimize changes in adjacent matrix. The work shows the conditions of existence of interior approximation without additional elements.

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