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# NECESSARY CONDITIONS FOR THE SOLVABILITY OF ONE CLASS OF BOUNDARY VALUE PROBLEMS FOR QUASIELLIPTIC SYSTEMS

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We consider boundary value problems in a half-space for a class of quasielliptic systems with nonzero boundary functions. We assume that the boundary value problems satisfy the Lopatinskiĭ condition. Necessary conditions are given for their unique solvability in Sobolev spaces. In a particular case, these conditions coincide with sufficient conditions.

*Key words and phrases*: quasielliptic system, boundary value problem, Lopatinskiĭ condition, Sobolev space, solvability condition.

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