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	authors	• O. A. Veliev	**authors**	• O. Veliev	DUPLICATES	420
	title	Uniform Convergence of the Spectral Expansion for a Differential Operator with Periodic Matrix Coefficients	**title**	Uniform Convergence of the Spectral Expansion for a Differential Operator with Periodic Matrix Coefficients		
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	id	id3905181881083598603	**id**	id84754846294375823 63		
	abstract	In this paper, we obtain asymptotic formulas for eigenvalues and eigenfunctions of the operator generated by a system of ordinary differential equations with summable coefficients and the quasiperiodic boundary conditions. Using these asymptotic formulas, we find conditions on the coefficients for which the root functions of this operator form a Riesz basis. Then we obtain the uniformly convergent spectral expansion of the differential operators with the periodic matrix coefficients	**abstract**	We obtain asymptotic formulas for eigenvalues and eigenfunctions of the operator generated by a system of ordinary differential equations with summable coefficients and the quasiperiodic boundary conditions. Using these asymptotic formulas, we find conditions on the coefficients for which the root functions of this operator form a Riesz basis. Then, we obtain the uniformly convergent spectral expansion of the differential operators with the periodic matrix coefficients.		
	versions		**versions**			