cases	doc_1		doc_2		decision	id
	authors	• O. A. Veliev	**authors**	• O. A. Veliev	NOT DUPLICATES	500
	title	On the Differential Operators with Periodic Matrix Coefficients	**title**	On the Basis Property of the Root Functions of Differential Operators with Matrix Coefficients		
	publication_date	2009-03-04 14:57:29+00:00	**publication_date**	2009-12-22 08:45:48+00:00		
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	urls	• http://arxiv.org/pdf/0903.0776v1 • http://dx.doi.org/10.1155/2009/934905 • http://arxiv.org/abs/0903.0776v1 • http://arxiv.org/pdf/0903.0776v1	**urls**	• http://arxiv.org/pdf/0912.4340v1 • http://arxiv.org/abs/0912.4340v1 • http://arxiv.org/pdf/0912.4340v1		
	id	id-5749684451611494139	**id**	id1193020854235394290		
	abstract	In this article we obtain asymptotic formulas for eigenvalues and eigenfunctions of the operator generated by a system of ordinary differential equations with summable coefficients and quasiperiodic boundary conditions. Then using these asymptotic formulas, we find conditions on the coefficients for which the number of gaps in the spectrum of the self-adjoint differential operator with the periodic matrix coefficients is finite.	**abstract**	We obtain asymptotic formulas for eigenvalues and eigenfunctions of the operator generated by a system of ordinary differential equations with summable coefficients and periodic or antiperiodic boundary conditions. Then using these asymptotic formulas, we find necessary and sufficient conditions on the coefficients for which the system of eigenfunctions and associated functions of the operator under consideration forms a Riesz basis.		
	versions		**versions**			