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cases	authors	<ul> <li>Aleksandr A. Murach</li> <li>Vladimir A. Mikhailets</li> <li>Valerii Los</li> </ul>		Valerii Los		
			authors	<ul> <li>Vladimir A. Mikhailets</li> <li>Aleksandr A. Murach</li> </ul>	_	
	title	An isomorphism theorem for parabolic problems in Hörmander spaces and its applications				
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			doi		DUPLICATES	S 1109
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	id	id1046284235551468079	id	id-8435958708213406248		
	abstract	We investigate a general parabolic initial-boundary value problem with zero Cauchy data in some anisotropic Hörmander inner product spaces. We prove that the operators corresponding to this problem are isomorphisms between appropriate Hörmander spaces. As an application of this result, we establish a theorem on the local increase in regularity of solutions to the problem. We also obtain new sufficient conditions under which the generalized derivatives, of a given order, of the solutions should be continuous. 2000 Mathematics Subject Classification. Primary: 35K35; Secondary: 46B70, 46E35. Key words and phrases. Parabolic initial-boundary value problem, Hörmander space, slowly varying function, isomorphism property, interpolation with a function	abstract	We investigate a general parabolic initial-boundary value problem with zero Cauchy data in some anisotropic H\"ormander inner product spaces. We prove that the operators corresponding to this problem are isomorphisms between appropriate H\"ormander spaces. As an application of this result, we establish a theorem on the local increase in regularity of solutions to the problem. We also obtain new sufficient conditions under which the generalized derivatives, of a given order, of the solutions should be continuous.		
		parameter. * Corresponding author: murach@imath.kiev.ua. 69 70 V. LOS, V. A. MIKHAILETS AND A. A. MURACH	versions			
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