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	authors	<ul style="list-style-type: none">Valerii LosAleksandr A. Murach	authors	<ul style="list-style-type: none">Valerii LosAleksandr Murach	DUPLICATES	23
	title	Isomorphism theorems for some parabolic initial-boundary value problems in $H^{\vec{\alpha}}$ -ormander spaces	title	Isomorphism theorems for some parabolic initial-boundary value problems in $H^{\vec{\alpha}}$ -ormander spaces		
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	id	id4306592810598576842	id	id-5537020325044177205		
	abstract		abstract	In $H^{\vec{\alpha}}$ -ormander inner product spaces, we investigate initial-boundary value problems for an arbitrary second order parabolic partial differential equation and the Dirichlet or a general first-order boundary conditions. We prove that the operators corresponding to these problems are isomorphisms between appropriate $H^{\vec{\alpha}}$ -ormander spaces. The regularity of the functions which form these spaces is characterized by a pair of number parameters and a function parameter varying regularly at infinity in the sense of Karamata. Owing to this function parameter, the $H^{\vec{\alpha}}$ -ormander spaces describe the regularity of functions more finely than the anisotropic Sobolev spaces.		
	versions		versions			