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	authors	<ul style="list-style-type: none">Valerii LosAleksandr Murach	authors	<ul style="list-style-type: none">V. LosA. Murach	DUPLICATES	1090
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	abstract	In H^{∞} -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^{∞} -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^{∞} -ormander spaces describe the regularity of functions more finely than the anisotropic Sobolev spaces.	abstract	Abstract In H^{∞} -rmander 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^{∞} -rmander 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^{∞} -rmander spaces describe the regularity of functions more finely than the anisotropic Sobolev spaces.		
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