ON THE CORRECT SOLVABILITY OF THE CAUCHY PROBLEM CONNECTED WITH SOME DISPERTIONAL AND DISSIPATIVE MODELS

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In the article some properties of mathematical models for dispertional and dissipative aero dynamical processes described by nonstationary 3-dimentional partial differential equations of high order is being studied. Particularly fundamental solutions of those equations are being constructed. Also studying properties of those fundamental solutions are being studied, proving correct solvability of the Cauchy problem for those equations and stating the semigroup property for solutions.