

**Programm of the Seminar of
I. Vekua Institute of Applied Mathematics**

2003

8.01 **Chinchaladze N.** (*I. Vekua Institute of Applied Mathematics*) A Cusped elastic plate viscous fluid Interaction Problem.

5.02 **Tavkhelidze I.** (*I. Vekua Institute of Applied Mathematics*) One analytic representation of one class of geometrical figures, surfaces and lines.

12.02 **Gordeziani D., Meladze H., Kupreishvili M., Dikhaminjia N.** (*I. Javakishvili Tbilisi State University, I. Vekua Institute of Applied Mathematics*) Initial-boundary value problems on the graphs.

19.02 **Vashakmadze T.** (*I. Vekua Institute of Applied Mathematics*) To von Karman-type system of differential equation for thin-walled structure of poro-elastic binary mixture.

5.03 **Chankvetadze O.** (*I. Vekua Institute of Applied Mathematics*) The inequalities and relations $a < b, a > b, a \leq b, a \geq b$.

19.03 **Vashakmadze T.** (*I. Vekua Institute of Applied Mathematics*) To solvability of some class of three-point linear operator equation.

2.04 **Davitashvili T.** (*I. Vekua Institute of Applied Mathematics*) The construction and investigation of parallel algorithms for solving of some nonlinear equations and systems of equations.

9.04 **Janjgava R.** (*I. Vekua Institute of Applied Mathematics*) General solutions of stretch-press and bending equations of binary mixtures using I. Vekua's method for $N = 1$ approximation.

16.04 **Bitsadze L.** (*I. Vekua Institute of Applied Mathematics*) The basic boundary value problems of statics of the theory of elastic transversally isotropic mixtures for an infinite plane with an elliptic hole.

23.04 **Svanadze K.** (*A. Tsereteli Kutaisi State University*) Effective solution of the mixed boundary value problem for an infinite isotropic plane with an elliptical hole.

30.04 **Narmania M.** (*I. Vekua Institute of Applied Mathematics*) The solution of some problems of temperature stresses in anisotropic plate.

14.05 **Gordeziani D., Avalishvili G., Avalishvili M.** (*I. Vekua Institute of Applied Mathematics*) On the investigation of a dimensional reduction method for elliptic problems

21.05 **Tsintsadze Z.** (*I. Javakishvili Tbilisi State University*) The Lagrange principle of taking restrictions off and its applications to smooth-convex problem of the optimization.

28.05 **Pantsulaia G.** (*Georgian Technical University*) On some quasiinvariant measures and dynamical systems in infinite-dimensional vector spaces.

4.06 **Gelashvili K.** (*I. Javakishvili Tbilisi State University*) Analysis of abstract evolution systems and applications in extremal problems and differential equations.

11.06, 18.06 **Gordeziani D., Gordeziani E.** (*I. Vekua Institute of Applied Mathematics*) On the resolution of initial-boundary value problems for one generalization of Schrödinger equation.

25.06 **Vashakmadze T.** (*I.Vekua Institute of Applied Mathematics*) To some problems of three dimensional theory of elasticity.

2.07 **Khomurjishvili T.** (*I.Vekua Institute of Applied Mathematics*) Three-layer difference schemes for problems of mathematical physics.

17.08 **Gordeziani D.** (*I.Vekua Institute of Applied Mathematics*) On spatial dimensional reduction methods for equations of mathematical physics.

30.10 **Chankvetadze O.** (*I.Vekua Institute of Applied Mathematics*) some properties symmetrical relativity operators and corresponding relation.

5.11 **Chankvetadze O.** (*I.Vekua Institute of Applied Mathematics*) Interrogation. Generalization of the equation concept.

12.11 **Kaladze T., Rogava J., Tsamalashvili L., Tsiklauri M.** (*I.Vekua Institute of Applied Mathematics*) Implicit difference schemes for Charney-Obukhov equation.

19.11 **Gubelidze G.** (*I.Vekua Institute of Applied Mathematics*) On nonhomogeneous problems of second order degenerate elliptic equations on angular domains.

26.11 **Gvaberidze G.** (*I.Javakishvili Tbilisi State University*) About qualitative theory of Boolean programming and its applications in routing problem.

3.12 **Giorgadze G.** (*Institute of Cybernetics*) On the quantum computations.

17.12 **Saatashvili G.** (*Tskhinvali State University*) On the problem of resolution in propositional logic.