

COMPUTER MODELING CONFERENCE
Arzamas 16, RFNC
(Russia)
September 6-11, 1993

PROGRAM

Tuesday, September 7, 1993
Chairman: I.D.Sofronov

9:00 a.m.-10:00 a.m.

OPENING SESSION

9:00 a.m.-9:30 a.m.

Inaugural speech by V.N.Mikhailov, Organizing Committee
Chairman

9:30 a.m.-10:00 a.m.

Inaugural speech by I.D.Sofronov, Organizing Committee
co-Chairman

MATHEMATICAL PHYSICS PROBLEM COMPUTATIONAL PROGRAM COMPLEX

10:00 a.m.-10:30 a.m.

1. D technique for computing time-dependent
multi-dimensional problems of gas dynamics and
elastoplasticity with heat conductivity in Lagrangian
variables on regular grids.

Artemyev A.Yu., Bashurova M.S.,
Bobrova M.P., Delov V.I., Dmitriyeva
L.V., Dmitriyev N.A., Kolomiytseva
S.A., Korepova N.V., Malinovskaya
E.V., Nikulina A.F., Romantsova
A.N., Samoilina R.Z., Senilova
D.V., Sofronov I.D., Tarasova A.N.,
Chernykhov Yu.I.

10:30 a.m.-11:00 a.m.

2. MIMOZA program complex. Solving the problems of
hydrodynamics with heat conductivity.

Sofronov I.D., Vinokurov D.A.,
Zmushko V.V., Pletenev F.A., Sarayev
V.A.

11:00 a.m.-11:20 a.m.

BREAK

11:20 a.m.-11:50 a.m.

3. Gridless Methods for Computation Mechanics
Melvin Baer

11:50 a.m.-12:20 p.m.

4. The Adaptive Free-Lagrange (AFL) Method using
Staggered Grid Hydrodynamics (SGH)
Donald Burton

12:20 p.m.-12:50 p.m.

5. Adaptive Mesh Techniques

Michael McGlaun

LUNCH

Chairman: V.F. Kuropatenko

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2:00 p.m.-2:30 p.m.

6. Technique for solving gas dynamics problems on irregular meshes.

Rasskazova V.V

2:30 p.m.-3:00 p.m.

7. A method for 2-D heat conducting gas flow calculations.

Grinov V.M., Bissyarin A.Yu.,
Neuvazhnev V.E., Frolov V.D. et
al.

3:00 p.m.-3:30 p.m.

8. A code for one-dimensional laser fusion calculations (SND).

Antonenko E.M., Dolgolyova G.V.,
Krupina S.M

3:30 p.m.-3:50 p.m.

BREAK

3:50 p.m.-4:20 p.m.

9. Electrical Magnetically Large, Three Dimensional, Time-Dependent, Problems

— Dale Nielsen

4:20 p.m.-4:50 p.m.

10. Some computational models and codes for investigation of electrodynamic phenomena of nuclear explosions.

Bashurin V.P., Gainullin K.G.,
Golubev A.I., Ismailova N.A.,
Izrael V.A., Soloviov A.A.,
Terekhin V.A.

4:50 p.m.-5:20 p.m.

11. Radiation transport computation without local thermodynamic equilibrium.

Voinov B.A., Gasparyan P.D.,
Kochubev Yu.K., Roslov V.I.

5:20 p.m.-5:50 p.m.

12. Full Spectrum ~~Computing~~

Mark Seager

12. Simulating the ion kinetic regime —
Hybrid Models A.G. Sgro