

SESSION V
PINCHES; DYNAMIC STABILIZATION

| | |
|--|-----|
| Plasma With Relativistic Electrons in a Magnetic Mirror Trap..... | 205 |
| Dynamic Stabilization of a Plasma Column..... | 218 |
| Plasma Equilibrium in a Torus With HF Fields and Plasma Heating Resulting from the Development of a Powerful Beam of "Escaping Electrons"..... | 232 |
| Plasma Heating Mechanism by Collisionless Shock Waves..... | 250 |
| Phenomena Associated With the Build-Up of Noncylindrical Focused Z-Pinch..... | 270 |

SESSION VI
PLASMA INSTABILITIES AND INTERACTIONS

| | |
|---|-----|
| Oscillations and Stability of Plasma Located in an External High-Frequency Electric Field..... | 284 |
| Nonlinear Plasma Wave Interaction..... | 299 |
| Nonlinear Interaction of Electromagnetic Waves in a Magneto-Active Plasma..... | 327 |

SESSION VII
FORMATION AND CONFINEMENT OF PLASMA FROM GUNS

| | |
|--|-----|
| Plasma-Jet Deflection in a Magnetic Field..... | 357 |
| Interaction of a Plasma With a Magnetic Field..... | 378 |

SESSION VIII
CLOSED-LINE SYSTEMS

| | |
|---|-----|
| Plasma-Column Equilibrium in "Tokamak-5"..... | 399 |
| Joule Heating of Plasma in the Toroidal Tokamak-3..... | 417 |
| Higher-Mode Instabilities in a Tokamak Device..... | 440 |
| Electron Density in Tokamak Devices by the Microwave Method..... | 451 |
| Plasma Energy Losses in the Toroidal Chamber Tokamak TM-2..... | 471 |
| Toroidal Discharge in an Alternating Longitudinal Magnetic Field..... | 484 |
| Fast Particles Trapped in a Magnetic Field..... | 499 |
| Injection and Confinement of a Plasma in a Stellarator With a Multipolar ($n = 2$) Helical Field..... | 514 |

SESSION IX
PLASMA HEATING

| | |
|--|-----|
| Plasma Heating Under Beam Instability Conditions..... | 529 |
| Plasma Compression by a Magnetic Field in a Toroidal Device..... | 541 |
| Turbulent Heating of Plasma by a Direct Current Discharge..... | 560 |
| Heating of Plasma Electrons by UHF Fields in an Adiabatic Trap..... | 571 |
| Heating of a Dense Plasma in a Metallic Chamber..... | 596 |