Despotuli A. L., Andreeva A. V. Creation of New Types  f Thin-Film Solid Electrolyte Supercapacitors for Microsystems  echnology and Mirco(Nano)Electronics
For thin-film supercapacitors the critical consideration of mo- ern state of developments is made.
With the aim of creation of supercapacitors suited for MST, mi- ro- and nanoelectronics the conception of the perfect (coherent) lectrode/solid electrolyte interfaces is proposed. Thin-film capaci- we heterostructures of different types are developed and investigated
Cozin S. A. The Technology of Microelectromechanical Structures MEMS) in the Development of Integral Generators of Mechatronacal Parameters
The integral of the mechanical parameters developed at the sci- ntific research Institute of physical dimensions (Penza) are de- cribed.
lesarev Yu. N. Erasing Magnetic Media Models During ermomagnetic Recording
Erasing magnetic media models on the basis of static and self- onsistent model of thermomagnetic recordings are executed. The auses of a non coincidence theoretically and experimentally of ob- ained data encompassing by discrepancies fixation the moment eras- re because of noise in a measuring system are detected.
omin L. F. The Control Motions of Wheeled Microrobots Tubes with the Use of Centrifugal Forces
The motion of microelectromechanical systems — MEMS wheeled microrobots) on the inner surfaces of arbitrary situated in the space tubular vessels with the use as pressing forces the centrifugal

forces, arising at the motion of any body on the curvilinear trajectory,

of Microsystem Technics
The questions have been touched, connected with the usage of physical effects white working upon structural elements of microsystem technics and laws in the system of physical elements as methodological basis for technical problem solving.
Bogonin M. B. Simulation of a Liquid Anisotropic Etching of Silicon
The introduced creation stages of anisotropic etching of silicon dynamic model based on computer technology. Showed results of model convergence with a real manufacturing process of anisotropic etching of silicon.
Strezh S. V., Troshin E. V. Cosmic System Creation of the Base of Microapparatuses
Problems of cosmic system creation on the base of microsystem technique are examined. Orbital grouping consist of a great amount of cosmic apparatuses having some kilograms mass. Such grouping is consided as a single whole unit (object) spreaded in space. The most important component of examined systems is the informational one.

Bulatov A. N., Nevolin V. K. The Anode Oxidation

Sobolev A. N. Physical Effects as Basis of Structural Elements

Experimental study and analysis of nanostructures parameters (height and width) carried out. The structures formed by aluminum films anodic oxidation in condition of controlled humidity. The behavior regularities of the local film oxidation parameters were found in relative humidity ranged from 20 % to 60 %.

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is investigated.