

TABLE OF CONTENTS

PRODUCT QUALITY CONTROL. STANDARDIZATION. ORGANIZATION OF PRODUCTION

N. V. Pereborova, V. V. Obidin, D. V. Kolodyazhny, V. V. Vardugina, A. K. Rodin

Methods of control and improving the quality of materials in the textile and light industry..... 5

N. V. Pereborova, I. N. Volkova, V. V. Obidin, D. V. Kolodyazhny, V. A. Yastrebov

Development of methods to increase competitiveness of textile and light industry products 14

MACHINES, AGGREGATES AND TECHNOLOGICAL PROCESSES

A. A. Kozlov, O. S. Voronina, K. V. Valuev, N. A. Frolkov, E. A. Ageeva

Methods for mathematical modeling of deformation processes of aramide textile materials..... 24

A. G. Makarov, D. A. Ovsyannikov, N. S. Fal'ko, D. O. Red'kin, E. A. Seshko

Computer simulation of functional processes of polymer textile materials..... 33

I. M. Egorov, A. V. Volokoslavskaya, L. Yahya, M. M. Kuz'menko, S. S. Bykova

Methods for studying the physical and mechanical properties of aramide textile materials 43

SYSTEM ANALYSIS, CONTROL AND INFORMATION PROCESSING

V. I. Wagner, S. A. Moiseenko, N. A. Frolkov, K. V. Valuev, V. A. Soloviev

Study of deformation and relaxation properties of polymer textile materials
by methods of system analysis 51

S. V. Kiselev, S. A. Moiseenko, O. S. Voronina, K. A. Yakunicheva, D. S. Petrov

Methods of system analysis of physical and mechanical properties of aramide textile materials 61

E. A. Buryak, K. A. Yakunicheva, N. S. Fal'co, D. O. Red'kin, E. A. Kulikova

Conducting a system analysis of the functional properties of fire resistant textile materials 70

TECHNOLOGY OF PRODUCTION OF TEXTILE AND LIGHT INDUSTRY PRODUCTS

M. A. Egorova, A. M. Litvinov, A. V. Volokoslavskaya, I. V. Begunova, D. A. Filatov

Development of criteria for selecting the optimal mathematical model
of viscous elasticity of polymer textile materials 80

A. A. Kozlov, N. S. Klimova, L. Yahya, I. V. Begunova, M. M. Kuz'menko

Development of methods for determining relaxation and deformation characteristics
of polymer textile materials 90

Authors list 101

Information for authors 103