Table of Contents

Preface	
Design of Sustainable Earthquake Resisting Structures M. Grigorian, A.S. Moghadam, M.A. Targhi and R.A. Targhi	1
Ensuring Stability of Trenches by Combining Bands with Transverse Drainages V. Grigoryan, A. Grigoryan, V. Grigoryan and A. Sahakyan	13
On Two Problems of Contact Interaction of Stringers with an Elastic Half-Plane S. Mkhitaryan, E. Kanetsyan and M. Mkrtchyan	19
Ensuring the Stability of Slops by Combining the Bulk Piles with Gabions A. Grigoryan	31
Dynamic Measurements of Building Structures Based on the ARAMIS SRX Measurement System	
M. Maciej and P. Palacz	37
Stress-Strain State Multistory Buildings and Stiffness Shear Bonds V. Lyublinskiy	43
The Impact of the Heat and Humid Regime on Building Materials and Development of New Structure of Air Dehumidifier S. Egnatosyan, N. Egnatosyan and L. Yeritsyan	51
Numerical Analysis of the Connection of Light Frame Elements in the Sunday System Technology M. Kosiń and J. Kalinowski	59
The Problem of Asbestos-Cement Sheets Disposal in the Klobuck Poviat N. Brycht and M. Ulewicz	65
Identification of Effective Solutions to Replenish the Housing Stock in Armenia and Artsakh	
H. Galoyan	73
Features of Construction Cluster Placement in Syunik Province of Ra (Example of Meghri Region)	
L. Babayan and S. Monnot Der-Mesropian	79
Study of the Characteristics in the Problem on the Stress State of a Piecewise Homogeneous Half-Space at an Antiplane Deformation in the Presence of Stress Concentrators of the Type of Cracks and Stringers	
M. Grigoryan and V. Yedoyan	85
Post-Earthquake Realignment and Repairs: A Novel Application for Structural Control and Health Monitoring A. Minassian, S. Sedighi, M. Kamizi and M. Grigorian	95
Methodology for Assessing the Technical Condition of Buildings and Structures Using the	,,
Reliability Criterion D. Dekhterev and A. Tamrazyan	115

115