

MODELLING AND MECHANICS OF BUILDING STRUCTURES

# Submission	Authors	Title
2	Anna Malahova and <u>Dmitry Malakhov</u>	Evaluation of the deformability of balcony plates of monolithic residential buildings
7	<u>Mirziyod Mirsaidov</u> , Olimjon Dusmatov and Muradjon Khodjabekov	The problem of mathematical modeling of a vibration protected rod under kinematic excitations
10	<u>Kamil Khayrnasov</u>	Reinforcement of reinforced concrete structures with composite materials
12	Xuan Bang Nguyen and <u>Viet Thanh Dinh</u>	Determined of Equivalent Fixed Depth in the 3D Frame
16	<u>Alexander Suvorov</u>	Geometrically nonlinear analysis of a flexible wire (chain)
23	Mirziyod Mirsaidov, Ismoil Safarov, <u>Muhsin Teshaev</u> and J A Yarashev	Vibrations of multilayer composite viscoelastic curved pipe under internal pressure

24	Mirziyod Mirsaidov, Ismoil Safarov, <u>Muhsin Teshae</u> and Bakhtiyor Nuriddinov	Eigenwaves propagation in three-layer cylindrical viscoelastic shells with a filler non-uniform in thickness
35	<u>Nguyen Manh Ha</u> , Pham Tuan Thanh, Nguyen Van Hien and Viktor Popov	Selection of parameters for MSE retaining walls
47	<u>Sergey Saiyan</u> and Alexander Paushkin	Application of the theory of strength of materials to determine the shear stresses in beams with round holes
67	<u>Alexey Gavrilenko</u> and Temur Barkaya	Experimental and theoretical study of post-tensioned unbonded beams
68	Nataliya Fedorova, Vitaliy Kolchunov, <u>Ngoc Tuyen Vu</u> and Tatyana Ilushchenko	Determination of stiffness parameters of reinforced concrete structures using the decomposition method for calculating their survivability
80	<u>Alexander Sak</u>	Specifics of construction industry terminology and methods of analysis of the natural language sentences similarity by using isomorphism of their structures
82	Van-Tu Nguyen and <u>Xuan-Dai Nguyen</u>	Seismic responses of multi-story building isolated by Lead-Rubber Bearings considering effects of the vertical stiffness and buckling behaviors

85	<u>Viktor Orlov</u> and Magomedyusuf Gasanov	Study of wave processes in elastic beams and nonlinear differential equations with moving singular points
87	Elbek Kosimov, <u>Ibrakhim Mirzaev</u> and Diyorbek Bekmirzaev	Comparison of the impacts of harmonic and seismic waves on an underground pipeline during the Gazli earthquake
90	Viktor Orlov, <u>Elena Detina</u> and Oleg Kovalchuk	Mathematical modelling in tasks of predicting the operational reliability of gas networks facilities
93	<u>Irina Lantsova</u>	Numerical simulation of fluid-structure interaction by the example of a flow past a cylinder with a flexible thin structure
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