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1. Akimov P., Mozgaleva M. About Verification of Wavelet-Based Discrete-Continual Finite Element Method for Three-Dimensional Problems of Structural Analysis. Part 1: Structures with Constant Physical and Geometrical Parameters Along Basic Direction. *Applied Mechanics and Materials*, Vol. 709 (2015).
2. Akimov P., Mozgaleva M. About Verification of Wavelet-Based Discrete-Continual Finite Element Method for Three-Dimensional Problems of Structural Analysis. Part 2: Structures with Piecewise Constant Physical and Geometrical Parameters Along Basic Direction. *Applied Mechanics and Materials*, Vol. 709 (2015).
3. Akimov P., Mozgaleva M. Multilevel Wavelet-based Numerical Method of Local Structural Analysis for Three-dimensional Problem. *Procedia Engineering*, 111 (2015).
4. Akimov P., Mozgaleva M., Aslami M., Negrozov O. Local High-Accuracy Plate Analysis Using Wavelet-Based Multilevel Discrete-Continual Finite Element Method. *Key Engineering Materials*, Vol. 685 (2016) pp. 962-966.
5. Akimov P., Mozgaleva M., Mshalaja J., Kharitonov V. About Method of Basis (Local) Variations and its Applications in Structural Analysis. *Procedia Engineering*, Vol. 153 (2016) pp. 501-508.
6. Akimov P., Mozgaleva M., Aslami M., Mshalaja J. Semianalytical Analysis of Shear Walls with the Use of Discrete-Continual Finite Element Method. Part 1: Mathematical Foundations. *MATEC Web Conferences*, Vol. 86 (2016).
7. Akimov P., Mozgaleva M., Aslami M. Semianalytical Analysis of Shear Walls with the Use of Discrete-Continual Finite Element Method. Part 2: Numerical Examples, Future Development. *MATEC Web Conferences*, Vol. 86 (2016).
8. Akimov P., Mozgaleva M. Discrete-continual method of analysis of the coupled system “plate-soil foundation” in context of microseismic and gravitational processes in foundation. *Information and Digital Technologies (IDT), 2017 International Conference on 5-7 July 2017, Zilina, Slovakia*, pp.5-16.
9. Akimov P., Negrozov O., Mozgaleva M. Combined Semianalytical and Numerical Static Plate Analysis. Part 1: Formulation of the Problem and Approximation Models. *MATEC Web of Conferences* 196, 01010 (2018) XXVII R-S-P Seminar 2018, Theoretical Foundation of Civil Engineering.
10. Akimov P., Negrozov O., Mozgaleva M. Combined Semianalytical and Numerical Static Plate Analysis. Part 2: Resultant Multipoint Boundary Problem. *MATEC Web of Conferences* 196, 01010 (2018) XXVII R-S-P Seminar 2018, Theoretical Foundation of Civil Engineering.
11. Akimov P., Mozgaleva M., Kajtukov T. Numerical solution of structural mechanics boundary problems with the use of wavelet based boundary element method. *APCSCE IOP Publishing Conf. Series: Materials Science and Engineering* 456 (2018) 012113 doi:10.1088/1757-899X/456/1/012113.
12. Akimov P., Mozgaleva M. About local numerical solution of boundary problems of elasticity three-dimensional theory. *APCSCE IOP Publishing Conf. Series: Materials Science and Engineering* 456 (2018) 012119 doi:10.1088/1757-899X/456/1/012119.
13. Akimov P., Mozgaleva M. Wavelet-based two-grid numerical method of structural analysis with the use of discrete Haar basis. *APCSCE IOP Publishing Conf. Series: Materials Science and Engineering* 456 (2018) 012120 doi:10.1088/1757-899X/456/1/012120