	CONTENT	
1	**Oleksandr Konstantinov, Katerina Semenovich** Generalization of the Faraday problem for the mechanical system «reservoir – liquid» in the presence of a vertical periodic (sawtooth) disturbance	5-16
2	**Oleg Limarchenko, Mykola Lavrenyuk, Katerina Semenovich** Specificity of manifestation of nonlinearities for angular oscillations of the reservoir with liquid. Transient modes of motion	17-25
3	**Yadzhak Mykhailo, Tyutyunnyk Maria** Construction of parallel algorithms for the study of complex systems objects with a hierarchical-network structure	26-33
4	**R. Musii, M.Klapchuk, O.Nazaruk, I.Svidrak, V.Shynderuk** Analysis of the thermomechanical behavio rof a three-layer plate of the ceramic-metal-ceramic structure due to non-stationary onvective heating	34-42
5	**Volodymyr Stankevych, Oleg Svietlov, RomanGrinkiv** Analysis of the strength of an infinite matrix with a single-periodic array of healed cracks under torsion load	43-48
6	**Antonii Kulchytskyi, AndriyPushak** Measurement error on the number of sheets of the paper on the vibratory feeder	49-55
7	**Bohdan Karkulovskyi** Modeling the energy characteristics of a toroidal solenoid	56-63
8	**Taras azarovetrs** Electromagnetic characteristics of the human body radiation based on a linear antenna model	64-71
9	**Yaroslav Pyanylo, Nazar Prytula, Myroslav Prytula** System analysis of gas flow modes in pipeline systems	72-83
10	**Mykhaylo Andriychuk, Borys Yevsyhneiev** Change in magnetic permeability of inhomogeneous material due to particles with surface impedance	84-93
11	**Oleg Limarchenko, Katerina Semenovich** Specificity of manifestation of nonlinearities for angular oscillations of the reservoir with liquid. Harmonic disturbance	94-105
12	**Denys Khomiuk, Volodymyr Samotyy** Mathematical modelof a thyristor-based frequency divider using a single-phase bridge rectifier	106-117
13	**Bohdan Bondar, Mykhaylo Stepanyak** Crystal-optical and fiber-optic temperature measurement methods	118-124
14	**Adrian Nakonechnyi, Ihor Berezhnyi** Analysis of photoplethysmographic signals using wavelet transform coefficients and scalogram for assessment of cardiovascular processes	125-134
15	**Oleh Kozak, Volodymyr Samotyi** Maximizing the load current of a ferromagnetic frequency doubler using a genetic algorithm	135-143
16	**Roman Musii, Nataliia Melnyk, Bohdan Bandyrskyi, InhaSvidrak** Mathematical modeling and analysis of thermal regimes in a steel shaft during induction heat treatment	144-155
17	**Roman Dyriv, Volodymyr Samotyy** Accelerated analysis of steady-state modes of electromagnetic devices considering hysteresis	156-166
18	**Oleksandr Sukholeister, Rostyslav Nakonechny** Enhancing emotion classification through signal fusion and wavelet-based feature extraction	167-178