Boundary Value Problems for Ordinary Differential Equations

Friday, 24 February 2023, 1.00 PM, online

Programme

Chairperson: Felikss Sadirbajevs		
13.00–13.05	**Opening**	
13.05–13.20	Armands Gricāns, Andrejs Koliškins, Ināra Jermačenko, Diāna Ogorelova, Felikss Sadirbajevs, Inna Samuilik	On a boundary value problem with the Arrhenius nonlinearity
13.20–13.35	Natalija Sergejeva	About Fučik type problem with Robin condition
13.35–13.50	Inna Samuilik	Remarks on Kaplan-Yorke dimension in search of chaotic behavior
13.50–14.05	Anita Kiričuka	Boundary value problems for Lienard type equations
14.05–14.20	Aleksejs Antoņuks, Arina Grigorjeva	Interval of the existence of positive solutions for a second-order Dirichlet boundary value problem
14.20–14.35	**Break**	
14.35–14.50	Svetlana Atslēga, Felikss Sadirbajevs	A remark on oscillatory properties of solutions to the second order nonlinear ODE
14.50–15.05	Valentin Sengileyev	Variable regulatory matrix
15.05–15.20	Diāna Ogorelova	On computation of parameters in Artificial Neural Networks mathematical models
15.20–15.35	Olga Kozlovska, Felikss Sadirbajevs	On critical points of the three-dimensional dynamical system arising in the theory of genetic networks
15.35–15.50	Sergejs Smirnovs	Existence of multiple positive solutions for a third-order boundary value problem with nonlocal conditions
15.50–16.00	**Closing**	