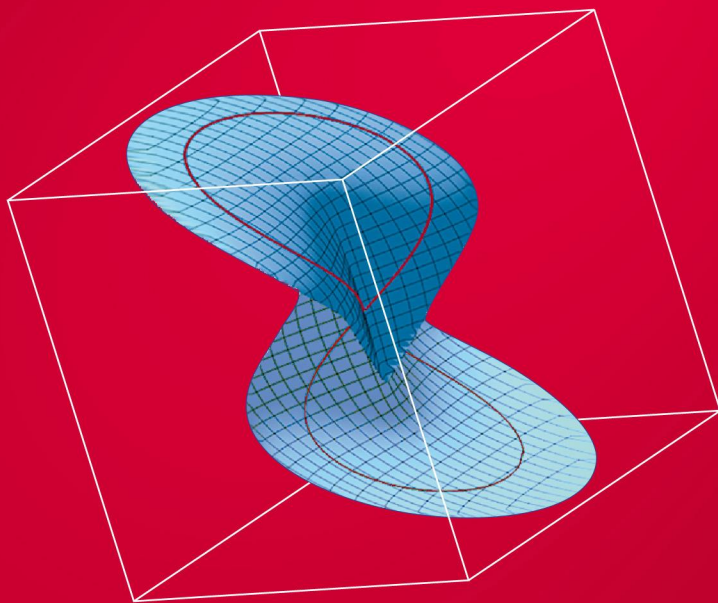


Russian Journal of

NONLINEAR DYNAMICS



NONLINEAR PHYSICS AND MECHANICS

CONDITIONS OF THE TRIPOD LIMITING EQUILIBRIUM ON A HORIZONTAL PLANE WITH FRICTION	279-285
<i>Sumbatov Alexander S.</i>	
MOVING GAP DISCRETE BREATHER IN BIATOMIC CRYSTAL	287-299
<i>Bebikhov Yuri V., Semenova Maria N., Abdullina Dina U., Dmitriev Sergey V.</i>	
FREQUENCY COMB GENERATION FROM COUPLED LONGITUDINAL-TRANSVERSE VIBRATIONS OF A SUSPENDED PRETENSIONED STRIP	301-320
<i>Lukin Alexei V., Popov Ivan A., Privalova Olga V., Shtukin Lev V.</i>	
NUMERICAL MODELING OF AIR SUSPENSION NEAR-WAKE DYNAMICS	321-334
<i>Baymetova Elena S., Chernova Alena A., Shigapova Aigul R.</i>	
EMISSION PROPERTIES OF H₂O IN THE RANGE OF 1000--2000 cm⁻¹ UNDER CONDITIONS OF NONLINEAR THERMAL NONEQUILIBRIUM	335-344
<i>Molchanov Alexander M., Yanyshv Dmitry S., Bykov Leonid V., Panevin Vyacheslav I.</i>	
THE INHOMOGENEOUS COUETTE FLOW OF A MICROPOLAR FLUID	345-358
<i>Burmasheva Natalya V., Prosviryakov Evgenii Yu.</i>	
REGULAR PRECESSION OF AN ASYMMETRICAL LIQUID-FILLED RIGID BODY IN A UNIFORM FIELD	359-372
<i>Ol'Shanskii Vladimir Yu.</i>	
MODELING OF LONG-PERIODIC CHANGES IN ATMOSPHERIC MOTIONS BASED ON THE COUPLING OF SIMPLE CONVECTIVE SYSTEMS	373-398
<i>Gledzer Alexey E.</i>	

MATHEMATICAL PROBLEMS OF NONLINEARITY

DISCRETE-TIME DYNAMICAL SYSTEMS GENERATED BY A QUADRATIC OPERATOR	399-418
<i>Shoyimardonov Sobirjon K., Rozikov Utkir A.</i>	
LOCALIZED WAVES OF THE φ_4 EQUATION IN THE MODEL WITH TWO-POINT IMPURITIES	419-432
<i>Fakhretdinov Marat I., Kabanov Daniil K., Ekomasov Evgenii G.</i>	

NONLINEAR ENGINEERING AND ROBOTICS

SYNTHESIS OF A MOTION ALGORITHM FOR AN UNDERACTUATED SYSTEM	433-452
<i>Moshchanetskii Mikhail L., Kiselev Oleg M.</i>	