

Inverse methods and integral-differential model demonstration for optimal mechanical operation of power plants - numerical graphical optimization for second generation of tribology models

Casesnoves, Francisco Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 39-50 : ill <https://doi.org/10.2478/ecce-2018-0005>

Inverse methods for computational simulations and optimization of erosion models in power plants : a numerical-sufactal nonlinear optimization of modelling

Casesnoves, Francisco; Surženkov, Andrei 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTU CON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [8] p. : ill <http://dx.doi.org/10.1109/RTU CON.2017.8125630>

A mathematical model for abrasive erosion wear in composite Fe-based matrix with WC-Co reinforcement

Casesnoves, Francisco; Surženkov, Andrei Materials and contact characterisation VIII 2017 / p. 99-111 : ill <https://doi.org/10.2495/MC170101> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Mathematical models in biotribology with 2D-3D erosion integral-differential model and computational-optimization/simulation programming - a mathematical model construction based on experimental research

Casesnoves, Francisco; Surženkov, Andrei International journal of scientific research in computer science, engineering and information technology 2017 / p. 329-356 : ill <http://ijsrcseit.com/CSEIT17224010>

Mathematical models in mechanical and biomedical tribology with computational simulations/optimization methods

Casesnoves, Francisco; Surženkov, Andrei International journal of scientific research in computer science, engineering and information technology 2017 / p. 62-89 : ill <http://ijsrcseit.com/CSEIT17211>

Nonlinear comparative optimization for biomaterials wear in artificial implant technology

Casesnoves, Francisco Materials science and applied chemistry II : 59th International Scientific Conference of Riga Technical University (RTU), Section of Materials Science and Applied Chemistry - MSAC 2018 2019 / p. 52-59 <https://doi.org/10.4028/www.scientific.net/KEM.800.52> [Conference proceeding at Scopus](#) [Article at Scopus](#)