Magnetic origin of the chemical balance in alloyed Fe-Cr stainless steels
First-principles and Ising model study

Revealing differences in gene network inference algorithms on the network level by ensemble methods

Optimal energy decay for the wave-heat system on a rectangular domain

The different levels of magneto-mechanical coupling in energy conversion machines and devices

Multichannel Blind Sound Source Separation using Spatial Covariance Model with Level and Time Differences and Non-Negative Matrix Factorization

Entropy bounds for dendrimers

Graph distance measures based on topological indices revisited

A comparative analysis of multidimensional features of objects resembling sets of graphs

An efficient heuristic approach to detecting graph isomorphism based on combinations of highly discriminating invariants

Structural similarity of directed universal hierarchical graphs
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Comparing large graphs efficiently by margins of feature vectors

A similarity measure for graphs with low computational complexity

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Relations and bounds for the zeros of graph polynomials using vertex orbits

Chipless graphene tag and dual-CP reader for Internet of Things

Modeling probability densities with sums of exponentials via polynomial approximation

Universal construction mechanism for networks from one-dimensional symbol sequences

Evolutionary dynamics of the spatial Prisoner's Dilemma with self-inhibition

Topological mappings between graphs, trees and generalized trees

Information theoretic measures of UHG graphs with low computational complexity

Algorithmic computation of knot polynomials of secondary structure elements of proteins

A microscopic view of the mechanisms of active transport across the cellular membrane

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Hypermonogenic Functions of Two Vector Variables

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Univariate and multivariate approaches for finding differentially expressed gene sets

Resilient Cooperative Voltage Control for Distribution Network with High Penetration Distributed Energy Resources

Hypermonogenic solutions and plane waves of the Dirac operator in $R^p \times R^q$

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Characterizing rate limiting steps in transcription from RNA production times in live cells

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Van der Waals interactions are critical in Car-Parrinello molecular dynamics simulations of porphyrin-fullerene dyads

Comparative analysis of tissue reconstruction algorithms for 3D histology

Circularly Polarized Textile Tag Antenna for Wearable Passive UHF RFID Systems

Modeling mass transfer in fracture flows with the time domain-random walk method

An automated algorithm for reliable equation of state fitting of magnetic systems

Introducing libeemd
a program package for performing the ensemble empirical mode decomposition

Growth behavior and magnetic properties of spherical uranium oxide nanoclusters

Density functional theory study of $FePd_n$ (n = 2-14) clusters and interactions with small molecules

Comparison of Human Head Phantoms with Different Complexities for Implantable Antenna Development

SCIP
a single-cell image processor toolbox

Sound Event Detection in the DCASE 2017 Challenge

Homogeneous (α,k)-Polynomial Solutions of the Fractional Riesz System in Hyperbolic Space

Gene Sets Net Correlations Analysis (GSNCA)
A multivariate differential coexpression test for gene sets

Gene set analysis for self-contained tests
Complex null and specific alternative hypotheses

A robust AMMI model for the analysis of genotype-by-environment data

Introducing Multi-Convexity in Path Constrained Trajectory Optimization for Mobile Manipulators

Cuts for 3-D magnetic scalar potentials
Visualizing unintuitive surfaces arising from trivial knots

SamExploreR
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NetBioV
An R package for visualizing large network data in biology and medicine

Machine learning
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Melting of copper clusters

Integral kernels for k-hypermonogenic functions

Graph entropy based on the number of spanning forests of c-cyclic graphs

A full-potential linearized augmented plane wave study of the interaction of CO_2 with α-Pu (020) surface nanolayers

Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation

A novel epidemic model considering demographics and intercity commuting on complex dynamical networks

Two models for hydraulic cylinders in flexible multibody simulations

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In silico detection of genomic deletion types and correction of normal cell contamination in copy number data