

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

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

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

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

The watching system as a generalization of identifying code

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

On efficient network similarity measures

Satisfiability of modal inclusion logic
Lax and strict semantics

Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation

Sound Event Detection in the DCASE 2017 Challenge

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

Circularly Polarized Textile Tag Antenna for Wearable Passive UHF RFID Systems

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

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

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

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

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

SCIP
a single-cell image processor toolbox

Comparative analysis of tissue reconstruction algorithms for 3D histology

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

Hypermonogenic Functions of Two Vector Variables

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

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

Integral kernels for k -hypermonogenic functions

SamExploreR

Exploring reproducibility and robustness of RNA-seq results based on SAM files

Introducing libeemd

a program package for performing the ensemble empirical mode decomposition

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

Modeling probability densities with sums of exponentials via polynomial approximation

On k -Hypermonogenic Functions and Their Mean Value Properties

Two models for hydraulic cylinders in flexible multibody simulations

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

Graph distance measures based on topological indices revisited

Estimation of GFP-tagged RNA numbers from temporal fluorescence intensity data

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

Entropy bounds for dendrimers

NetBioV

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

Gene Sets Net Correlations Analysis (GSNCA)

A multivariate differential coexpression test for gene sets

A full-potential linearized augmented plane wave study of the interaction of CO₂ with α -Pu (020) surface nanolayers

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

Magnetic origin of the chemical balance in alloyed Fe-Cr stainless steels

First-principles and Ising model study

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

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

Growth behavior and magnetic properties of spherical uranium oxide nanoclusters

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

Universal construction mechanism for networks from one-dimensional symbol sequences

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

Machine learning
How it can help nanocomputing

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

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

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

Unite and conquer
Univariate and multivariate approaches for finding differentially expressed gene sets

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

Structural similarity of directed universal hierarchical graphs
A low computational complexity approach

Information theoretic measures of UHG graphs with low computational complexity

Comparing large graphs efficiently by margins of feature vectors

Topological mappings between graphs, trees and generalized trees

A similarity measure for graphs with low computational complexity

Algorithmic computation of knot polynomials of secondary structure elements of proteins

Melting of copper clusters