Editorial

Papers we reject
M. Berry

Research articles

The inefficiency of re-weighted sampling and the curse of system size in high-order path integration
M. Ceriotti, C. A. R. Brat, O. Rondan & D. E. Manolopoulos

The time-dependent development of electric double-layers in pure water at metal electrodes: the effect of an applied voltage on the local pH
R. Morrow & D. R. McKenzie

A nanoscale experiment measuring gravity’s role in breaking the unitarity of quantum dynamics
J. van Woud & T. H. Oosterkamp

Pattern formation on the surface of a bubble driven by an acoustic field
A. D. Makishov & T. G. Leighton

Transmission, trapping and filtering of waves in periodically constrained elastic plates

From wrinkles to creases in elastomers: the instability and imperfection-sensitivity of wrinkling
Y. Cao & J. W. Hutchinson

From non-local gap solitary waves to bound states in periodic media
T. R. Aylott, G. Hwang & J. Yang

On the calculation of an attenuation coefficient for transects of ice-covered ocean
L. G. Bennett & V. A. Squire

A theory of anisotropic healing and damage mechanics of materials
G. Z. Voyiadis, A. Shojaid, C. Li & P. I. Kattan

Extended time-dependent mild-slope and wave-action equations for wave-bottom and wave-current interactions
Y. Toledos, T. W. Hsu, & A. Roland

Nonlinear stability criteria for tree-like structures composed of branched elastic rods
O. M. O’Kelly & D. M. Peters

Robustness, fidelity and prediction-looseness of models
Y. Ben-Haim & F. M. Hemez

Cellular buckling from mode interaction in I-beams under uniform bending
M. A. Wadie & L. Gardner

Overall dynamic properties of three-dimensional periodic elastic composites
A. Sivisattava & S. Nemati-Nasser

Template analysis of a nonlinear dynamo
I. M. Moroz

Corrections

The Riemann hypothesis and the zero distribution of angular lattice sums
R. C. McPhedran, L. C. Botten, D. J. Williamson & N. A. P. Nicorovici