Recent oppositely directed trends in solar climate forcings and the global mean surface air temperature. II. Different reconstructions of the total solar irradiance variation and dependence on response time scale

M. Lockwood & C. Fröhlich

Recent changes in solar outputs and the global mean surface temperature. III. Analysis of contributions to global mean air surface temperature rise

M. Lockwood

Dirichlet $L$-series with real and complex characters and their application to solving double sums

I. J. Zucker & R. C. McPhedran

Group velocity of wave propagation in carbon nanotubes

L. Wang, W. Gao & H. Hu

The stress analysis of thin contact layers: a singular perturbation method for integral equations

C. Y. Chen & C. Atkinson

A new integral equation approach to elastodynamic homogenization

W. J. Parnell & I. D. Abrahams

Empirical mode decomposition using rational splines: an application to rainfall time series

C. G. S. Pegram, M. C. Peel & T. A. McMahon

Husimi–Wigner representation of chaotic eigenstates

F. Toscano, A. Kenfack, A. R. R. Carvalho, J. M. Rost & A. M. Ozorio de Almeida

Interacting dipole pairs on a rotating sphere

P. K. Newton & H. Shokraneh

A theory for the finite displacement of a thin-walled Bernoulli–Euler beam and lateral post-buckling analysis

T. Usuki

A theorem of existence for the equations of magnetohydrodynamics of partially ionized plasmas

M. Núñez

Bifurcation to a corner-like formation in a slender nonlinearly elastic cylinder: asymptotic solution and mechanism

H.-H. Dai & F.-F. Wang

Diffusion-controlled dissolution of a binary solid into a ternary liquid with partially molten zone formation

D. C. Hatton & A. W. Woods

Hierarchical modelling of attachment and detachment mechanisms of gecko toe adhesion

B. Chen, P. D. Wu & H. Gao