Contents

Preface 5

Identification of modes in main-sequence pulsators by means of multi-color photometry
by J. Daszyńska-Daszkiewicz, W.A. Dziembowski, A.A. Pamyatnykh 6

Influence of the convective flux perturbation on stellar oscillations: application to δ Scuti and γ Doradus stars
by A. Grigahcène, M-A. Dupret, R. Garrido, M. Gabriel and R. Scuflaire 9

Testing the internal physics of white dwarfs from their pulsational properties

The Blazhko Effect: Facts, Figures and Future work
by K. Kolenberg 15

Numerical modelling of the RR Lyrae instability strip
by R. Szká 20

UBVI Time-series Photometry of the Old LMC Globular Cluster Reticulum
by V. Ripepi, M. Monelli, M. Dall’Ora et al. 23

Long-term photometric study of LBVs in M33
by A. Zharova and O. Sholukhova 26

Cepheids in binary systems – new candidates in the Magellanic Clouds
by L. Szabados 27

A continuous population of variable stars up to about 1.5 mag above the horizontal branch?
by L. Baldacci, G. Clementini, E.V. Held, M. Marconi, L. Rizzi 30

The core/envelope asymmetry in p-mode pulsating stars
by A. Miglio and E. Antonello 35

Mapping non-radial pulsation using surface imaging techniques
by S.V. Berdyugina, H. Korhonen, J.H. Telting, C. Schrijvers 38

High Amplitude δ Sct-type variables
by E. Rodríguez 40

Pulsational behaviour of the HADS RY Lep
by E. Rodríguez, C.D. Laney, P.J. Amado, M.J. López-González and M. Joner 46

SZ Lyn: New pulsational and orbital elements based on old and recent photometric observations
by K.D. Gazeas, P.G. Niarchos, K.A. Boutsia 47

Short–Period Variables in ASAS Photometry
by J. Molenda–Żakowicz 48

Asteroseismology of Procyon: Preliminary results from SARG
by R.U. Claudi, A. Bonanno, R. Ventura et al. 51

The use of Petersen diagrams and period ratios in investigating the pulsational content of stars in the classical Instability Strip
by E. Poretti and M. Beltrame 53
Period-radius relation for semiregular and Mira stars
by K. Szatmáry

Relevant issues in the study of Pre-Main Sequence δ Scuti stars
by M. Marconi, V. Ripepi, F. Palla and A. Ruoppo

Pulsating stars in open clusters
by T. Arentoft, L.M Freyhammer, M.Y Bouzid, C. Sterken and S. Frandsen

A Variable Star Survey of the Open Cluster NGC 2126
by A. Gáspár, L. L. Kiss, A. Derekas et al.

Amplitude and frequency variability of pulsating stars
by G. Handler

New observational results on pulsating B stars
by A. Pigulski

Radial Velocity variations of the roAp-star HD122970: new results
by A. Gamarova, A.P. Hatzes and D. Mkrtichian

Pulsation and Binarity in RZ Cas
by E. Rodríguez, J.M. García, D.E. Mkrtichian et al.

AB Cas revisited
by E. Rodríguez, P.J. Amado, J.M. García, V. Costa and M.J. López-González

A few concluding remarks
by A. Baglin