

| | |
|---|---|
| Preface | 3 |
| by S. Schuh and G. Handler, Proceedings Editors | |

Stochastically excited pulsators (main sequence, red giants, AGB)

| | |
|--|----|
| Challenges for stellar pulsation and evolution theory | 7 |
| by J. Daszyńska-Daszkiewicz | |
| μ Herculis: Analysis of EW time series of a solar-type pulsator | 19 |
| by E. Carolo, R. Claudi, S. Benatti, and A. Bonanno | |
| Asteroseismology of solar-type stars with SARG@TNG | 21 |
| by R. Claudi, S. Benatti, A. Bonanno, M. Bonavita, S. Desidera, et al. | |
| Using p-mode excitation rates for probing convection in solar-like stars | 24 |
| by F. Kupka, K. Belkacem, M.-J. Goupil, and R. Samadi | |
| Further progress on solar age calibration | 27 |
| by G. Houdek and D. O. Gough | |
| Parametric interaction of coronal loops with p modes | 30 |
| by A. V. Stepanov, V. V. Zaitsev, A. G. Kisliakov, and S. Urpo | |
| A preliminary glimpse on CoRoT results and expectations | 33 |
| by E. Michel, K. Zwintz, and the CoRoT team | |

Heat-driven pulsators along the main sequence

| | |
|---|----|
| Asteroseismology of B stars | 35 |
| by A. Thoul | |
| "Hybrid" pulsators - fact or fiction? | 42 |
| by G. Handler | |
| TW Dra: NRP mode identification with FAMIAS | 45 |
| by H. Lehmann, A. Tkachenko, and D. E. Mkrtychian | |
| Preliminary results of V440 Per and α UMi observations with the Poznan Spectroscopic Telescope | 48 |
| by M. Fagas, R. Baranowski, P. Bartczak, W. Borczyk, W. Dimitrow, et al. | |
| 2D modeling of a Cepheid, moving grid approach | 51 |
| by E. Mundprecht | |
| Blazhko variables – recent results | 53 |
| by J. Jurcsik | |
| CZ Lacertae – a Blazhko RR Lyrae star with multiperiodic modulation | 55 |
| by Á. Sódor | |
| The true Blazhko behaviour of DM Cyg | 57 |
| by Zs. Hurta | |
| Asteroseismology of pre-main sequence stars | 59 |
| by K. Zwintz, D. B. Guenther, and T. Kallinger | |
| Asteroseismology of chemically peculiar stars | 61 |
| by O. Kochukhov | |
| The pulsating component of the B[e]/X-Ray transient and multiple system CI Cam | 71 |
| by E. A. Barsukova and V. P. Goranskij | |

Compact pulsators

| | |
|---|-----|
| Asteroseismology and evolution of EHB stars by R.H. Østensen | 75 |
| A search for Extreme Horizontal Branch pulsators in ω Cen by S. K. Randall, A. Calamida, and G. Bono | 88 |
| Time-resolved spectroscopy of the planet-hosting sdB pulsator V391 Pegasi by S. Schuh, R. Kruspe, R. Lutz, and R. Silvotti | 91 |
| Long-term EXOTIME photometry and follow-up spectroscopy of the sdB pulsator HS 0702+6043 by R. Lutz, S. Schuh, R. Silvotti, R. Kruspe, and S. Dreizler | 94 |
| Search for sdB/WD pulsators in the Kepler FOV by R. Silvotti, G. Handler, S. Schuh, B. Castanheira, and H. Kjeldsen | 97 |
| Asteroseismology and evolution of GW Vir stars by P.-O. Quirion | 99 |
| UV spectroscopy of the hybrid PG 1159-type central stars of the planetary nebulae NGC 7094 and Abell 43 by M. Ziegler, T. Rauch, K. Werner, L. Koesterke, and J. W. Kruk | 107 |

Eruptive variable and binary stars

| | |
|---|-----|
| Towards a dynamical mass of a PG 1159 star: radial velocities and spectral analysis of SDSS J212531–010745 by B. Beeck, S. Schuh, T. Nagel, and I. Traulsen | 111 |
| TT Arietis – observations of a Cataclysmic Variable Star with the MOST Space Telescope by J. Weingrill, G. Kleinschuster, R. Kuschnig, J. M. Matthews, A. Moffat, et al. | 114 |
| A progress report on the study of the optical variability of the old nova HR Del by I. Voloshina, M. Friedjung, M. Dennefeld, and V. Sementsov | 117 |
| A study of the atmospheric structure of AX Mon (HD 45910) by A. Antoniou, E. Danezis, E. Lyratzi, L.Č. Popović, M. S. Dimitrijević, et al. | 119 |
| η Carinae - The outer ejecta by K. Weis | 121 |

Methods and tools

| | |
|--|-----|
| Time series analysis with the VSAA method by S. Tsantilas, K. Kolenberg, and H. Rovithis-Livaniou | 125 |
| Mapping pulsations on rapidly rotating components of eclipsing binaries by B. I. Bíró and O. Latković | 127 |
| Physical parameters of contact binaries through 2-D and 3-D correlation diagrams by K. D. Gazeas | 129 |
| Musical scale estimation for some multiperiodic pulsating stars by B. Ulaş | 131 |



Cocktail reception at Vienna City Hall.