International Astronomical Union
Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 95

Editor-in-Chief:

C.D. Scarfe

Editors:

H. Drechsel
D.R. Faulkner
E. Kilpio
Y. Nakamura
P.G. Niarchos
R.G. Samec
E. Tamajo
W. Van Hamme
M. Wolf

Material published by September 15, 2012

BCB issues are available via URL:
http://www.konkoly.hu/IAUC42/bcb.html,
http://www.sternwarte.uni-erlangen.de/pub/bcb or
http://www.astro.uvic.ca/~robb/bcb/comm42bcb.html

The bibliographical entries for *Individual Stars* and *Collections of Data*, as well as a few *General* entries, are categorized according to the following coding scheme. Data from archives or databases, or previously published, are identified with an asterisk. The observation codes in the first four groups may be followed by one of the following wavelength codes.

g. γ-ray. i. infrared. m. microwave. o. optical
r. radio u. ultraviolet x. x-ray

1. Photometric data

a. CCD b. Photoelectric c. Photographic d. Visual

2. Spectroscopic data

a. Radial velocities b. Spectral classification c. Line identification d. Spectrophotometry

3. Polarimetry

a. Broad-band b. Spectropolarimetry

4. Astrometry

a. Positions and proper motions b. Relative positions only c. Interferometry

5. Derived results

a. Times of minima
b. New or improved ephemeris, period variations
c. Parameters derivable from light curves
d. Elements derivable from velocity curves
e. Absolute dimensions, masses
f. Apsidal motion and structure constants
g. Physical properties of stellar atmospheres
h. Chemical abundances
i. Accretion disks and accretion phenomena
j. Mass loss and mass exchange
k. Rotational velocities

6. Catalogues, discoveries, charts

a. Catalogues
b. Discoveries of new binaries and novae
c. Identification of optical counterparts of γ-ray, x-ray, IR, or radio sources
d. Finding charts

7. Observational techniques

a. New instrument development
b. Observing techniques
c. Reduction procedures
d. Data-analysis techniques

8. Theoretical investigations

a. Structure of binary systems
b. Circumstellar and circumbinary matter
c. Evolutionary models
d. Loss or exchange of mass and/or angular momentum

9. Statistical investigations

10. Miscellaneous

a. Abstract b. Addenda or errata

Abbreviations

AD	accretion disk	HMXB	high-mass x-ray binary	QPO	quasi-periodic oscillation
BH	black hole	IP	intermediate polar	RV	radial velocity
CB	close binary	LC	light curve	SB	spectroscopic binary
CV	cataclysmic variable	LMXB	low-mass x-ray binary	WD	white dwarf
EB	eclipsing binary	NS	neutron star	WR	Wolf-Rayet star

Individual Stars

Z And	*Tarasova, T.N., Skopal, A.* 2012, ARep 56, 218. (1b, 2d, 5gij) Formation of the disk and jets during periods of activity in 2006-2010.
V455 And	*Silvestri, N.M. et al.* (7 authors) 2012, AJ 144, 84. (1aou, 5i) Photometry three years after major dwarf nova outburst.
V515 And (XSS J00564+4548)	*Kozhevnikov, V.P.* 2012, MNRAS 422, 1518. (1bo, 5b) Two coherent oscillations with accurate periods corresponding to WD spin period with orbital sideband detected in IP system.
AE Aqr	*Ikhsanov, N.R., Beskrovnaya, N.G.* 2012, ARep 56, 595. (8cd) AE Aqr represents a new subclass of CVs. *Ororu, B., Meintjes, P.J.* 2012, MNRAS 421, 1557. (1x*, 5ij) Soft thermal x-ray emission is pulsed at spin period of WD; flares due to sporadic accretion.
EF Aqr	*Vos, J. et al.* (7 authors) 2012, A&A 540, A64. (1ao, 2ao, 5abcdeh)
FO Aqr	*Pekön, Y., Balman, S.* 2012, AJ 144, 53. (2dx, 5i) X-ray spectroscopy over orbital cycle.
V1333 Aql (Aql X-1)	*Sakurai, S. et al.* (7 authors) 2012, PASJ 64, 72. (2dx, 5i) Accretion geometry in soft/hard states.
V1343 Aql (SS 433)	*Bisnovatyi-Kogan, G.S., Krivosheev, Yu.M.* 2012, ARep 56, 167. (8d) A study of jet heating mechanisms with application to microquasar. *Khabibullin, I.I., Sazonov, S.Yu.* 2012, AstL 38, 443. (2x*c, 8bd) X-ray line formation in SS 433. *Volkov, I.* 2012, IBVS No. 6022. (1a, 5b) SS433 in active state in 2011.
V 1413 Aql	*Kolotilov, E.A. et al.* (5 authors) 2012, AstL 38, 468. (1coi, 5c) New activity cycle of classical symbiotic star.
V1487 Aql (GRS 1915+105)	*Neilsen, J., Petschek, A.J., Lee, J.C.* 2012, MNRAS 421, 502. (1x, 2dx, 5ij) Wind-jet interaction of microquasar observed. *Neilsen, J., Remillard, R.A., Lee, J.C.* 2012, ApJ 750, 71. (2dx) Explanation of diversity in x-ray LCs. *Polyakov, Y.S., Nielsen, J., Timashev, S.F.* 2012, AJ 143, 148. (5i, 7a) Stochastic variability of x-ray emission. *Ratti, E.M., Belloni,T.M., Motta, S.E.* 2012, MNRAS 423, 694. (1x, 5bcgi) On the harmonics of the low-frequency QPO.
V1494 Aql	*Helton, L.A. et al.* (10 authors) 2012, ApJ 755, 37. (2io, 5h) Elemental abundances.
V801 Ara (4U 1636−53)	*Sanna, A. et al.* (4 authors) 2012, MNRAS 424, 2936. (1x*, 5bcgi) Detection of kilohertz QPOs.
V821 Ara (GX 339-4)	*Buxton, M.M. et al.* (7 authors) 2012, AJ 143, 130. (1aoi, 5g) Long-term monitoring of transitions between hard and soft states. *Cassatella, P. et al.* (4 authors) 2012, MNRAS 422, 2407. (1x, 5cgi, 8a) Joint spectral-timing modelling of the hard lags. *Nandi, A. et al.* (4 authors) 2012, A&A 542, A56. (2dx*, 5i) 2010-11 outburst of the HMXB. *Rahoui, F. et al.* (9 authors) 2012, MNRAS 422, 2202. (1rx, 2bcio, 5cdghi) A comprehensive multiwavelength study with a focus on the OIR spectral continuum.
ϵ Aur	*Mourard, D. et al.* (19 authors) 2012, A&A 544, 91. (2c) A high angular and spectral resolution view into the hidden companion.

RW Aur	*Bisikalo, D.V. et al.* (6 authors) 2012, ARep 56, 686. (4c, 5i) Reverse rotation of the AD: observations and a physical model. *Dodin, A.V., Lamzin, S.A., Chuntonov, G.A.* 2012, AstL 38, 167. (2ac, 5gi) Magnetic field.
ZZ Boo	*Kang, Y.-W. et al.* (5 authors) 2012, AJ 144, 35. (2d, 5gh) Abundances of elements not the same in each component.
CK Boo	*Yang, Y.-G., Qian, S.B., Soonthornthum, B.* 2012, AJ 143, 122. (1ao, 5abc) Contact binary with possible magnetic activity and third body.
Z Cam	*Saitou, K. et al.* (4 authors) 2012, PASJ 64, 88. (1x, 2dx, 5i) X-ray spectroscopy at the onset of an optical outburst.
BQ Cam (V 0332+53)	*Sasaki, M. et al.* (5 authors) 2012, A&A 540, A35. (2dx, 5i) X-ray pulsar profiles, geometry and beam pattern in the HMXB.
V470 Cam (HS 0705+6700)	*Beuermann, K. et al.* (23 authors) 2012, A&A 540, A8. (5ab) Search for companions to post-common envelope binaries.
CU Cnc	*Qian, S.-B. et al.* (10 authors) 2012, MNRAS 423, 3646. (1ao, 5cg) Discovery of optical flares and flaring oscillations.
Z CMa	*Canovas, H. et al.* (5 authors) 2012, A&A 543, 70. (3b, 8b) Constraining the circumbinary envelope via imaging polarimetry.
CZ CMi (GSC 0763-0572)	*Kriwattanawong, W., Pooseekheaw, P.* 2012, RAA 12, 1291. (1ao, 5abc) LC analysis and period change. *Wang, J.-J. et al.* (9 authors) 2012, PASJ 64, 83. (1ao, 5abce) LC analysis and period study.
η Car	*Abramowski, A. et al.* (193 authors) 2012, MNRAS 424, 128. (1g, 5cg) HESS observations of the Carina nebula and its enigmatic colliding wind binary η Carinae. *Groh, J.H. et al.* (4 authors) 2012, MNRAS 423, 1623. (2bcou, 5deg, 8a) 2D radiative transfer modelling of the ultraviolet and optical spectra.
GG Car	*Marchiano, P. et al.* (6 authors) 2012, A&A 540, A91. (2ao, 5dg)
OY Car	*Copperwheat, C.M. et al.* (9 authors) 2012, MNRAS 421, 149. (2acoi, 5dik) Metal lines of donor star and AD of eclipsing dwarf nova used to derive RV curve of secondary and distorted disc.
V395 Car (2S 0921−630)	*Ashcraft, T.A., Hynes, R.I., Robinson, E.L.* 2012, MNRAS 424, 620. (1aio, 5bcegi) Results of optical and infrared photometric monitoring.
AZ Cas	*Galan, C. et al.* (10 authors) 2012, IBVS No. 6027. (1a, 6d) Call for observations of eclipse and periastron passage of 2012-2014.
DZ Cas	*Yang, Y.-G., Li, L.-H., Dai, H.-F.* 2012, AJ 144, 50. (1ao, 5abc) Algol with probable light-time effect from third body.
V615 Cas (LS I +61°303)	*Massi, M., Ros, E., Zimmermann, L.* 2012, A&A 540, A142. (4cr) VLBA images of the HMXB precessing jet.
V635 Cas (4U 0115+63)	*Sasaki, M. et al.* (5 authors) 2012, A&A 540, A35. (2dx, 5i) X-ray pulsar profiles, geometry and beam pattern in the HMXB.
V850 Cen (GX 304-1)	*Klochkov, D. et al.* (13 authors) 2012, A&A 542, L28. (2dx, 5i) Outburst in HMXB.

V1258 Cen
(CTCV J1300−3052)
Savoury, C.D.J. et al. (7 authors) 2012, MNRAS 422, 469. (2aoi, 5de) Absorption lines of secondary star of eclipsing CV measured; absolute component masses found with Monte Carlo technique in good agreement with photometric solution.

EE Cep
Galan, C. et al. (90 authors) 2012, A&A 544, 53. (6b) International observational campaigns of the last two eclipses: 2003 and 2008/9.

YY Cet
Williamon, R.M., Sowell, J.R. 2012, PASP 124, 411. (1bo, 2a*, 5a*bcde) Short-period Algol system.

DX Cha
(HD 104237)
Fumel, A., Böhm, T. 2012, A&A 540, A108. (2do) Herbig Ae star with K3 close companion. Non-radial pulsations, mode analysis, and fundamental parameters.

AF Crt
(IRAS 11472−0800)
Van Winckel, H. et al. (5 authors) 2012, A&A 542, A53. (1ao, 2adoi, 5h) Extremely depleted pulsating binary post-AGB star.

BP Cru
(GX 301-2)
Ikhsanov. N.R., Beskrovnaya N.G. 2012, ARep 56, 589. (8d) Signs of magnetic accretion in x-ray pulsars.
Ikhsanov, N.R., Finger, M.H. 2012, ApJ 753, 1. (1x*) Magnetic accretion present?

SS Cyg
Revnivtsev, M.G. et al. (8 authors) 2012, AstL 38, 238. (1a, 5i) On the change of the inner boundary of an optically thick AD around WDs using the dwarf nova SS Cyg as an example.
Voikhanskaya, N.F. 2012, AstBu 67, 216. (9) On the distance to CVs: SS Cygni.

CG Cyg
Kozhevnikova, A.V. et al. (5 authors) 2012, ARep 56, 281. (1b, 5cg) Observations of spot activity during maximum spottedness.

V407 Cyg
Nelson, T. et al. (5 authors) 2012, ApJ 748, 43. (1aou, 2dx) Observed during outburst.
Shore, S.N. et al. (7 authors) 2012, A&A 540, A55. (2cdox) Symbiotic-like recurrent nova during the 2010 outburst.

V1357 Cyg
(Cyg X-1)
Fabian, A.C. et al. (12 authors) 2012, MNRAS 424, 217. (1x, 5ceg) Determination of the spin from x-ray reflection spectra.
Zdziarski, A.A. 2012, MNRAS 422, 1750. (1r*, 5ij) Orbital modulation of radio emission provides constraints on structure of inner jet.
Zdziarski, A.A., Lubínski, P., Sikora, M. 2012, MNRAS 423, 663. (1gx, 5cg, 8a) Study of the average x-ray and soft γ-ray spectrum in the hard spectral state.

V1521 Cyg
(Cyg X-3)
Corbel, S. et al. (19 authors) 2012, MNRAS 421, 2947. (1gxr, 5ij) Multi-wavelength campaign during quenched state with radio, soft x-ray and high γ-ray flux, ended by giant radio flare; connection to accretion processes and relativistic jets proposed.
Sitarek, J., Bednarek, W. 2012, MNRAS 421, 512. (1g) Study of γ-rays from inner jet of microquasar and their interaction with AD.
Zdziarski, A.A. et al. (6 authors) 2012, MNRAS 421, 2956. (1gxr, 5j) Study of γ-ray emitting jet.

V1974 Cyg
Helton, L.A. et al. (10 authors) 2012, ApJ 755, 37. (2io, 5h) Elemental abundances.

V2028 Cyg
Polster, J. et al. (7 authors) 2012, A&A 542, A57. (2ado) Star displaying the B[e] phenomenon.

V2083 Cyg
Zasche, P., Svoboda, P., Šlechta, M. 2012, MNRAS 421, 1196. (1ao, 2ao, 5bcd) First LC and RV analysis of triple system.

BB Dor	*Schmidtobreick, L. et al.* (6 authors) 2012, MNRAS 422, 731. (2ao) Hα satellite emission during low state of SW Sex-type CV ascribed to irradiated surface areas of secondary.
AG Dra	*Formiggini, L., Leibowitz, E.M.* 2012, MNRAS 422, 2648. (1aou*, 5cdegk) Analysis of historical optical LC.
BF Dra	*Lacy, C.H.S. et al.* (5 authors) 2012, AJ 143, 129. (1ao, 2ao, 5abcdef)
CM Dra	*Kuznetsov, M.K. et al.* (4 authors) 2012, AASP 2, 15. (2ac, 5g) Physical parameters of the components. *MacDonald, J., Mullan, D.J.* 2012, MNRAS 421, 3084. (8a) Precise modelling of dM4.5+dM4.5 EB including magnetic fields and spots. *Spada, F., Demarque, P.* 2012, MNRAS 422, 2255. (1ao, 2bco, 5cdeg, 8a) Modelling the components of the system.
EF Dra	*Yang, Y.-G.* 2012, RAA 12, 419. (1ao, 5abc) LC analysis and period study.
FU Dra	*Liu, L. et al.* (6 authors) 2012, PASJ 64, 48. (1ao, 5abce) LC analysis and period study.
CP Eri	*Armstrong, E., Patterson, J., Kaup, J.* 2012, MNRAS 421, 2310. (1ao, 5bc) Precise superhump and orbital periods of AM CVn system determined.
YY Gem	*Hussain, G.A.J. et al.* (6 authors) 2012, MNRAS 423, 493. (1x, 5ceg, 8ab) Chandra study of the binary.
SZ Her	*Hinse, T.C. et al.* (5 authors) 2012, AJ 144, 34. (8a) Orbit models indicate proposed quadruple system would be unstable.
CC Her	*Liakos, A., Niarchos, P.* 2012, Ap&SS 340, 281. (1a, 2c, 5c, 8c) New photometric and spectroscopic study: physical parameters and evolutionary status.
HZ Her (Her X-1)	*Igna, C.D., Leahy, D.A.* 2012, MNRAS 425, 8. (1x, 5ei, 8a) Production of light-curve dips through accretion.
V795 Her	*Šimon, V. et al.* (5 authors) 2012, A&A 540, A15. (1ao, 5i) Cycles in the CV.
V1034 Her	*Zhang, L.-Y.* 2012, RAA 12, 438. (1ao, 5abc) LC analysis with surface spots and activity relation of short-period RS CVn binaries.
V1067 Her (1SWASP J174310.98+432709.6)	*Lohr, M.E. et al.* (6 authors) 2012, A&A 542, A124. (1ao, 5b) Period decrease in EB candidate near the short-period limit.
AV Hya	*Yang, Y.-G., Li, L.-H., Dai, H.-F.* 2012, AJ 144, 50. (1ao, 5abc) Algol with probable light-time effect from third body.
HS Hya	*Zasche, P., Paschke, A.* 2012, A&A 542, L23. (1abo, 5c) EB about to turn off its eclipses.
AR Lac	*Lu, Y., Xiang, F.-U., Shi, X.-Mi.* 201, PASJ 64, 84. (5a*b) A study of period variation.
CM Lac	*Liakos, A., Niarchos, P.* 2012, Ap&SS 340, 281. (1a, 2c, 5c, 8c) New photometric and spectroscopic study: physical parameters and evolutionary status.
UV Leo	*Manzoori, D.* 2012, Astron. Nachr. 333, 256. (1ao*, 5cef) LC analysis of spotted Algol-type EB yields absolute parameters and age; cyclic period variations suggest presence of third body.
β Lyr	*Lomax, J.R. et al.* (5 authors) 2012, ApJ 750, 59. (1aio, 2do) Geometrical constraints on hot spot.

MV Lyr	*Scaringi, S. et al.* (6 authors) 2012, MNRAS 421, 2854. (1ao*, 5i) Linear rms-flux relation of accreting WD in CV similar to that of x-ray binaries.
V447 Lyr	*Ramsay, G. et al.* (7 authors) 2012, MNRAS 425, 1479. (1ao, 2bc, 5bcd, 8a) Results from *Kepler* observations.
V524 Mon	*He, J.-J., Wang, J.-J., Qian, S.-B.* 2012, PASJ 64, 85. (1ao, 5abc) LC analysis and period study.
ν Oct	*Quarles, B., Cuntz, M., Musielak, Z.E.* 2012, MNRAS 421, 2930. (8a) Theoretical study of stability of suggested planet in K-type binary system.
V2216 Oph (4U 1728−16)	*Mukherjee, A., Bhattacharyya, S.* 2012, ApJ 756, 55. (1x) Decline of QPO frequency with higher energies for LMXBs.
V1647 Ori	*Semkov, E.H., Peneva, S.P.* 2012, IBVS No. 6025. (1ao) VRcIc LCs during the second outburst.
RU Peg	*Dunford, A., Watson, C.A., Smith, R.C.* 2012, MNRAS 422, 3444. (2abo, 5degi, 8a) Roche tomography of the secondary star.
IM Peg	*Bietenholz, M.F. et al.* (6 authors) 2012, ApJS 201, 7. (1r, 2r, 4c) VLBI evolution of the radio structure. *Ransom, R.R. et al.* (7 authors) 2012, ApJS 201, 6. (1ao, 4c) Gravity probe B determination of proper motion and parallax. *Ratner, M.I. et al.* (7 authors) 2012, ApJS 201, 5. (1r, 2r, 4c) VLBI analysis of the orbit and the source.
X Per (4U 0352+309)	*Doroshenko, V. et al.* (4 authors) 2012, A&A 540, L1. (2dx*, 5ij) Accreting pulsar in orbit around Be star.
CK Per (Nova 1901)	*Shara, M. et al.* (6 authors) 2012, AJ 143, 143. (2d, 4ab, 5j) HST observations of ejecta show details.
HO Psc	*Samec, R.G. et al.* (5 authors) 2012, PASP 124, 693. (1ao, 2b, 5abc) New EB that came into contact recently.
UU Sge	*Shimansky, V.V. et al.* (4 authors) 2012, ARep 56, 456. (1a, 5cg) Observations of eclipses.
9 Sgr	*Rauw, G. et al.* (9 authors) 2012, A&A 542, A95. (2do, 5d) Uncovering an 8.6-year period O-type SB.
V4046 Sgr	*Argiroffi, C. et al.* (14 authors) 2012, ApJ 752, 100. (1x, 2x) Rotationally modulated emission from accretion shocks.
V393 Sco	*Mennickent, R.E. et al.* (4 authors) 2012, MNRAS 421, 862. (1aoi, 5bci) LC anaysis of double-periodic variable.
V818 Sco (Sco X-1)	*Hynes, R.I., Britt, C.T.* 2012, ApJ 755, 66. (1ao, 5b) Precise ephemeris determined.
V1033 Sco (GRO J1655−40)	*Neilsen, J., Homan, J.* 2012, ApJ 750, 27. (2dx) Suggest hybrid magnetically/thermally driven wind. *Zhang, S.-N., Liao, J., Yao, Y.* 2012, MNRAS 421, 3550. (1x, 2ac) BH mass of LMXB measured from absorption lines originating in AD wind.
V1151 Sco (NTTS 155808−2219)	*Mace, G.N. et al.* (6 authors) 2012, AJ 144, 55. (2ao, 5d) Triple system.
MY Ser (HD 167971)	*De Becker, M. et al.* (5 authors) 2012, MNRAS 423, 2711. (4co, 5ceg, 8a) Resolving the two wide components.
NP Ser (GX 17+2)	*Lin, D. et al.* (4 authors) 2012, ApJ 756, 34. (1x, 2x) Spectral evolution of NS XRB.
GV Tau (Haro 6-10)	*Wilking, B.A. et al.* (6 authors) 2012, ApJ 753, 143. (1r, 4c) Evidence for a subarcsecond binary.

V471 Tau — *Sion, E.M. et al.* (7 authors) 2012, ApJ 751, 66. (2du, 5gi) Study of magnetically controlled accretion onto the WD.

KZ TrA (4U 1626−67) — *Iwakiri, W.B. et al.* (10 authors) 2012, ApJ 751, 35. (2cdx) Suggest very dense plasma close to surface of Be star.

65 UMa — *Zasche, P. et al.* (7 authors) 2012, A&A 542, A78. (1ao, 2ao, 5bcde) Sextuple system with EBs and SBs.

SU UMa — *Imada, A. et al.* (7 authors) 2012, PASJ 64, L5. (1ao) Discovery of superhumps during an isolated normal outburst.

ER UMa — *Ohshima, T. et al.* (22 authors) 2012, PASJ 64, L3. (1ao, 5i) Discovery of "negative" superhumps during a superoutburst.

V382 Vel — *Helton, L.A. et al.* (10 authors) 2012, ApJ 755, 37. (2io, 5h) Elemental abundances.

BF Vir — *Zhu, L., Qing, S.-B., Li. L.* 2012, PASJ 64, 94. (1ao, 5ab) New period study.

HW Vir — *Beuermann, K. et al.* (4 authors) 2012, A&A 543, 138. (8c) The quest for companions to post-common envelope binaries III. A reexamination of HW Vir.

UY Vol (EXO 0748−676) — *Paul, B., Archana, M., Saripalli, L.* 2012, BASI 40, 93. (1aox*) Detection of a large number of optical bursts simultaneous with the thermonuclear x-ray bursts.

BS Vul — *Zhu, L.-Y. et al.* (6 authors) 2012, AJ 144, 37. (1ao, 5abc) Near-contact EB.

V458 Vul (Nova 2007) — *Rajabi, S. et al.* (9 authors) 2012, ApJ 755, 158. (1i, 2i, 4c) Interferometric study of classical nova.

HR, HD, HDE, BD, CoD, CPD, SAO Objects

HR 6497 — *Griffin, R.E.M., Griffin, R.F.* 2012, Astron. Nachr. 333, 613. (2aobc, 5abde) Spectroscopic analysis of triple system consisting of outer G8 III giant and close inner B9.5+B9.5 binary.

HD 23052 — *Scarfe, C.D., Griffin, R.F.* 2012, RMxAA 48, 257. (2ao, 5d) Solar analogue SB1.

HD 32297 — *Boccaletti, A. et al.* (9 authors) 2012, A&A 544, 85. (5i) Morphology of the very inclined debris disk around HD 32297.

HD 50230 — *Degroote, P. et al.* (17 authors) 2012, A&A 542, A88. (1ao, 2ado, 5c, 6b) Hybridly pulsating SB2.

HD 50870 — *Mantegazza, L. et al.* (17 authors) 2012, A&A 542, A24. (1ao, 2do) δ Scuti-type SB seen almost pole-on.

HD 90512 — *Scarfe, C.D., Griffin, R.F.* 2012, RMxAA 48, 257. (2ao, 5d) Giant SB1 with nearly circular orbit, P$\sim$100 d.

HD 104237 — (see DX Cha)

HD 110432 — *Torrejon, J.M., Schulz, N.S, Nowak, M.A.* 2012, ApJ 750, 75. (2dx) Study of magnetically controlled accretion onto the WD.

HD 142527 — *Biller, B. et al.* (14 authors) 2012, ApJ 753, L38. (1i, 4c) Low-mass companion of disk star.

HD 150136 — *Mahy, L. et al.* (7 authors) 2012, A&A 540, A97. (2ado, 5dek) A physically bound third component in O-type star system.

HD 163296	*Fedele, D. et al.* (8 authors) 2012, A&A 544, 9. (5i) Warm H_2O and OH in the disk around Herbig star.
HD 167971	(see MY Ser)
HD 215227 (MWC 656)	*Casares, J. et al.* (6 authors) 2012, MNRAS 421, 1103. (2ao, 5d) Spectroscopy of optical counterpart MWC 656 of γ-ray source suggests compact companion in eccentric orbit; orbital elements derived.
HDE 259440 (MWC 148)	*Casares, J. et al.* (6 authors) 2012, MNRAS 421, 1103. (2ao, 5d) Spectroscopy of optical counterpart MWC 148 of γ-ray source suggests compact companion in eccentric orbit; orbital elements derived.
HDE 327083	*Wheelwright, H.E. et al.* (5 authors) 2012, A&A 543, 77. (2c) AMBER and CRIRES observations of binary sgB[e] star: evidence of a gaseous disk traced by CO bandhead emission.
BD +53°2790 (4U 2206+54)	*Reig, P., Torrejón, J.M., Blay, P.* 2012, MNRAS 425, 595. (1gx, 5bceg) Investigation of spin evolution.
BD +46°442	*Gorlova, N. et al.* (12 authors) 2012, A&A 542, A27. (2ado, 5gj) Gas streams and jet creation in evolved binary with a disk.
BD +39°1560 (TYC 2930-872-1)	*Fleming, S.W. et al.* (62 authors) 2012, AJ 144, 72. (2ad, 5d, 6b) Low-mass companion and possible third star.
CPD −63°2495 (PSR B1259−63)	*Khangulyan, D. et al.* (4 authors) 2012, ApJ 752,L17. (1g) Analysis of γ-ray flare from PSR binary. *Takata, J., et al.* (10 authors) 2012, ApJ 750, 70. (5c) Model of high energy LCs.

X-ray sources with constellation names

Aql X-1	(see V1333 Aql)
Cyg X-1	(see V1357 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)
LMC X-3	(see 1RXS J053855.6−640457)
Sco X-1	(see V818 Sco)

Objects with names including RA and DEC

2MASS J00244419−2708242 (LHS 1070)	*Köhler, R., Ratzka, T., Leinert, C.* 2012, A&A 541, A29. (4b) Orbits and masses in the multiple system. Star A may be a binary. *Rajpurohit, A.S. et al.* (11 authors) 2012, A&A 545, 85. (8c) Very low mass multiple system - a testbed for model atmospheres for the lower end of the main sequence.
XSS J00564+4548	(see V515 And)
XMMU J010633.1−731543	*Coe, M.J. et al.* (9 authors) 2012, MNRAS 424, 282. (1aiox, 2bc, 5cdg, 6bc) A new Be/x-ray binary system.
XMMU J010743.1−715953	*Coe, M.J. et al.* (9 authors) 2012, MNRAS 424, 282. (1aiox, 2bc, 5cdg, 6bc) A new Be/x-ray binary system.
ASAS J011328−3821.1	*Haislip, J.B. et al.* (5 authors) 2012, MNRAS 425, 1245. (1ao, 2abc, 5cdge, 8a) Orbital and physical parameters.

4U 0115+63	(see V635 Cas)
2MASS J01411638+6121185 (GSC 4031-0791)	*Galan, C. et al.* (8 authors) 2012, IBVS No. 6028. (1a, 5b, 6b) New EB of Algol type.
2MASS J03093252+4252387 (GSC 2855-0585)	*Koo, J.R. et al.* (5 authors) 2012, PASP 124, 559. (1ao, 2a, 5abcde, 6b) New EB near V432 Per.
V 0332+53	(see BQ Cam)
4U 0352+309	(see X Per)
RX J0440.9+4431	*La Palombara, N. et al.* (5 authors) 2012, A&A 539, 82. (1a,2x) XMM-Newton observations of persistent Be/NS x-ray binary pulsar. *Tsygankov, S.S., Krivonos, R.A., Lutovinov, A.A.* 2012, MNRAS 421, 2407. (1x) INTEGRAL and RXTE observations of Be/x-ray binary pulsar during outburst give estimate of NS magnetic field strength of 3.2×10^{12} G.
1RXS J053855.6−640457 (LMC X-3)	*Smale, A.P., Boyd, P.T.* 2012, ApJ 756, 146. (1x*,2x*) Anomalous low states and long term variability. *Zhang, S.-N., Liao, J., Yao, Y.* 2012, MNRAS 421, 3550. (1x, 2ac) BH mass of HMXB measured from absorption lines originating in AD wind.
SSTISAGEMC J053857.30−690709.5 (VFTS 698)	*Dunstall, P.R. et al.* (10 authors) 2012, A&A 542, A50. (1abo*, 2dox, 5g, 6b) Peculiar Be-like supergiant in interacting binary orbiting a veiled, more massive companion.
IGR J05414−6858	*Sturm, R. et al.* (10 authors) 2012, A&A 542, A109. (1ao*, 2b, 2dox) HMXB in the LMC with a probable 19.9-day orbital period.
IGR J06074+2205	*Simon, A.O., Bondar, A.V., Metlova, N.V.* 2012, PZ 32, 5. (2c, 5i) Spectroscopic evidence for appearance of a new decretion disk.
PSR J0610−2100	*Pallanca, C. et al.* (8 authors) 2012, ApJ 755, 180. (1ao) ESO VLT recovery of optical companion to ms PSR.
2MASS J06541234+6021314 (TYC 4110-1037-1)	*Wisniewski, J.P. et al.* (45 authors) 2012, AJ 143, 107. (2ado, 5de) Solar-type star with very low-mass stellar companion.
MXB 0656−072	*Yan, J. et al.* (5 authors) 2012, ApJ 753, 73. (1ax, 2ox) Multi-wavelength study of HMXRB.
HS 0705+6700	(see V470 Cam)
PSR J0737−3039	*Ferraro, F.R. et al.* (13 authors) 2012, ApJ 749, 84. (1ao) Constraint on the optical emission. *Yuen, R. et al.* (7 authors) 2012, ApJ 752, L32. (1r) Changes in polarization angle across the eclipse of a binary pulsar.
EXO 0748−676	(see UY Vol)
DASCH J075731.1+201735	*Tang, S. et al.* (7 authors) 2012, ApJ 751, 99. (1co*, 1ao, 2ao) Possible nova-like activity in archival data.
2MASS J09142593+1853543 (TYC 1404-1687-1)	*Samec, R.G. et al.* (5 authors) 2012, Observatory 132, 98. (1ao, 5abc) Extreme mass-ratio contact binary.
2S 0921−630	(see V395 Car)
SDSS J092646.88+132134.5	*Dobbie, P.D. et al.* (8 authors) 2012, MNRAS 421, 202. (1ao*, 2abc, 4a, 5dehj, 6b) Discovery of double-degenerate binary with non-magnetic DA WD and highly magnetic WD (SDSS J092647.00+132138.4) components; WD masses derived and evolutionary history discussed.
PG 1018−047	*Deca, J. et al.* (10 authors) 2012, MNRAS 421, 2798. (2aco, 5bd) sdB+K dwarf binary with longest orbital period known (759 d); possible formation channels discussed.

2MASS J10501366−0000323	*Clem, J.L., Landolt, A.U.* 2012, PASP 124, 535. (1ao, 5abc) Contact binary in the field of UY Sex.
IRAS 11472−0800	(see AF Crt)
SDSS J121130.94−024954.4	*Rebassa-Mansergas, A. et al.* (13 authors) 2012, MNRAS 423, 320. (2abc, 5bdeg, 8ac) Study of post-common envelope binaries from.
SDSS J125044.42+154957.3	*Breedt, E. et al.* (7 authors) 2012, MNRAS 423, 1437. (1ao, 2abc, 5bcdeg, 8c) Evolutionary state.
PSR B1259−63	(see CPD −63°2495)
CTCV J1300−3052	(see V1258 Cen)
CXOU J132527.6−430023	*Burke, M.J. et al.* (21 authors) 2012, ApJ 749, 112. (2dx, 6b) Compact object likely is a BH rather than a NS.
1SWASP J133105.91+121538.0	*Lohr, M.E. et al.* (6 authors) 2012, A&A 542, A124. (1ao, 5b) Period decrease in EB candidate near the short-period limit.
WDS J14545+1606B (Gliese 569b)	*Kenworthy, M.A., Scuderi, L.J.* 2012, ApJ 752,131. (1ai) IR observations of binary brown dwarf.
SDSS J150746.48+521002.1	*Dobbie, P.D. et al.* (8 authors) 2012, MNRAS 421, 202. (1ao*, 2abc, 4a, 5dehj, 6b) Discovery of double-degenerate binary with non-magnetic DA WD and highly magnetic WD (SDSS J150746.80+520958.0) components; WD masses derived and evolutionary history discussed.
SDSS J151415.65+074446.5	*Breedt, E. et al.* (7 authors) 2012, MNRAS 423, 1437. (1ao, 2abc, 5bcdeg, 8c) Evolutionary state.
MAXI J1543−564	*Stiele, H. et al.* (4 authors) 2012, MNRAS 422, 679. (1x) Spectral-timing analysis during faint outburst of BH x-ray binary candidate.
CXOPS J154305.5−522709	*Servillat, M. et al.* (6 authors) 2012, ApJ 748, 32. (2dx, 5e) Measurement of mass and radius of NS.
2S 1553−542	*Pahari, M., Pal, S.* 2012, MNRAS 423, 3352. (1gx, 5cegi, 8a) Analysis of observations of recent flaring activity.
NTTS 155808−2209	(see V1151 Sco)
RX J1602.8+2520 (GSC 2038-0293)	*Dal, H.A., Sipahi, E., Özdarcan, O.* 2012, PASA 29, 523. (1o, 5c) Spot model and magnetic activity.
4U 1626−67	(see KZ TrA)
IGR J16318−4848	*Chaty, S., Rahoui, F.* 2012, ApJ 751, 150. (2dir) Probed the material surrounding the supergiant.
4U 1636−53	(see V801 Ara).
XTE J1650−500	*Walton, D.J. et al.* (5 authors) 2012, MNRAS 422, 2510. (1x, 5cg, 8a) Similarity of broad iron lines in the binary and active galactic nuclei.
GRO J1655−40	(see V1033 Sco)
OAO 1657−415	*Mason, A.B. et al.* (8 authors) 2012, MNRAS 422, 199. (2ai, 5d) Near IR spectroscopy of HMXB yields dynamically determined NS mass of 1.42 $M_\odot$ and donor star mass of 14.3 $M_\odot$; formation and evolutionary state discussed.
IGR J17091−3624	*Capitanio, F. et al.* (6 authors) 2012, MNRAS 422, 3130. (1x, 5bcgi) The peculiar 2011 outburst. *Rebusco, P. et al.* (4 authors) 2012, A&A 540, L4. Period doubling and non-linear resonance in BH candidate.
PSR J1719−1438	*Horvath, J.E.* 2012, RAA 12, 813. (8a) An exotic quark object rather than a light helium/carbon WD for the compact companion.

	van Haaften, L.M. et al. (4 authors) 2012, A&A 541, A22. (8d) Companion in 2.2 h orbit likely a He or CO WD.
SDSS J172406+562003	*Shimansky, V.V. et al.* (6 authors) 2012, ARep 56, 441. (1a, 2ac, 5bcdeg) Intermediate-age pre-CV.
4U 1728−16	(see V2216 Oph)
KS 1731−260	*Ozel, F., Gould, A., Guver, T.* 2012, ApJ 748, 5. (1ai, 2do, 6d) New CV.
PSR J1738+0333	*Antoniadis, J. et al.* (8 authors) 2012, MNRAS 423, 3316. (1ao, 2abc, 5cdeg, 8a) Mass determination and evolutionary history. *Freire, P.C.C. et al.* (10 authors) 2012, MNRAS 423, 3328. (1r, 5ceg, 8a) Results of a 10-year timing campaign.
XTE J1739−302	*Farinelli, R. et al.* (9 authors) 2012, MNRAS 424, 2854. (1gx, 5cgi, 8a) Results from observations of the most recent outbursts.
H 1743−322	*Altamirano, D., Strohmayer, T.* 2012, ApJ 754, L23. (1x, 2x) BH binary with QPOs seen in NS binaries. *Miller-Jones, J.C.A. et al.* (18 authors) 2012, MNRAS 421, 468. (1rx, 4ac) Jet ejection in outburst of galactic BH candidate x-ray binary resolved.
1SWASP J174310.98+432709.6	(see V1067 Her)
1RXS J174320.1−042953	*Denisenko, D.V., Martinelli, F.* 2012, PZ 32, 3. (1a, 5c) Study of CV.
1A 1744−361	*Gavriil, F.P., Strohmayer, T.E., Bhattacharyya, S.* 2012, ApJ 753, 2. (2x, 5h) Fe XXIV absorption line.
EXO 1745−248	*Barret, D.* 2012, ApJ 753, 84. (1x, 2x) kHz QPOs in x-ray transients in Terzan 5. *Degenaar, N., Wijnands, R.* 2012, MNRAS 422, 581. (1x, 5i) Strong x-ray variability during quiescent state of LMXB with NS component found. *Serino, M. et al.* (8 authors) 2012, PASJ 64, 91. (1x, 2dx) X-ray detection of a superburst.
IGR J17473−2721	*Chen, Y-P. et al.* (5 authors) 2012, ApJ 752, L34. (1x, 2x) Corona on NS XRB.
1RXS J174755.8−263352 (GX 3+1)	*Piraino, S. et al.* (10 authors) 2012, A&A 542, L27. (2dx, 5ei) Relativistic iron emission line from the NS in the LMXB.
IGR J17480−2446	*Barret, D.* 2012, ApJ 753, 84. (1x, 2x) kHz QPOs in x-ray transients in Terzan 5.
Swift J1749.4−2807	*Degenaar, N., Patruno, A., Wijnands, R.* 2012, ApJ 756, 148. (1x, 2x) Accreting MS x-ray pulsar-EB.
SAX J1750.8−2900	*Lowell, A.W. et al.* (9 authors) 2012, ApJ 749, 111. (2dx) May contain the hottest, most luminous NS known.
IGR J17511−3057	*Paizis, M.A. et al.* (7 authors) 2012, ApJ 755, 52. (1x, 2x) Chandra observations of bursting ms x-ray pulsar.
IGR J17544−2619	*Farinelli, R. et al.* (9 authors) 2012, MNRAS 424, 2854. (1gx, 5cgi, 8a) Results from observations of the most recent outbursts.
1RXS J180108.7−250444 (GX 5-1)	*Sriram, K., Choi, C.S., Rao, A.R.* 2012, ApJS 200, 16. (1x, 2x) Possible evidence for a truncated AD.
PSR J1816+4510	*Kaplan, D.L. et al.* (24 authors) 2012, ApJ 753, 174. (1agoru) Companion to ms pulsar studied.
XTE J1817−330	*Sriram, K., Rao, A.R., Choi, C.S.* 2012, A&A 541, A6. (2dx*, 5i) Fast transition of type-B QPOs in the BH transient.

MAXI J1836−194	*Reis, R.C., et al.* (5 authors) 2012, ApJ 751, 34. (2cdx) Identify compact object as BH.
AX J1841.0−0536	*Kawabata Nobukawa, K. et al.* (4 authors) 2012, PASJ 64, 99. (1x, 2dx) X-ray detection of many short flares and a large flare.
4U 1907+09	*Şahiner, Ş., Inam, Ş.C., Baykal, A.* 2012, MNRAS 421, 2079. (1x*) Pulse period history of accretion powered pulsar revised; orbital phase-dependent H column density and x-ray flux.
2MASS J19083956+3922369 (KIC 4247791)	*Lehmann, H. et al.* (5 authors) 2012, A&A 541, A105. (1ao*, 2ao, 5cde) A quadruple system with two EBs.
GRS 1915+105	(see V1487 Aql).
2MASS J19225242−4832106 (TYC 8380-1953-1)	*López-Santiago, J., Stelzer, B., Saxton, R.* 2012, PASP 124, 682. (1x, 2abde, 5g, 6b) New chromospherically active binary found first by x-ray observations.
2MASS J19293152+3804359 (KIC 2856960)	*Armstrong, D. et al.* (10 authors) 2012, A&A 545, 4. (7b) A transiting companion to EB detected.
2MASS J19365001+4201436 (KIC 6614501)	*Silvottil, R. et al.* (20 authors) 2012, MNRAS 424, 1752. (1a, 2a, 5abcde, 8a) Orbital properties.
2MASS 19383260+4603591	*Bartow, B.N., Wade, R.A., Liss, S.E.* 2012, ApJ 753, 101. (1oi*, 5abc) Analysis of Kepler photometry yields Romer delay and mass ratio of sdB+dM EB.
2MASS J19495420+4106514 (KOI-126)	*Spada, F., Demarque, P.* 2012, MNRAS 422, 2255. (1ao, 2bco, 5cdeg, 8a) Modelling the components of the system.
SWIFT J1955+2614	*Šimon, V. et al.* (12 authors) 2012, MNRAS 422, 981. (1aoi, 5j) Optical synchrotron emission and flares of ultracompact x-ray binary after γ-ray burst in 2007.
RE J2013+4002	*Shimansky, V.V. et al.* (6 authors) 2012, ARep 56, 441. (1a, 2ac, 5abcdeg) Intermediate-age pre-CV.
2MASS J20200045+0437564 (NSVS 14256825)	*Almeida, L.A. et al.* (4 authors) 2012, MNRAS 423, 478. (1aio, 2a, 5abcdeg, 8a) Photometric and spectroscopic study. *Beuermann, K. et al.* (23 authors) 2012, A&A 540, A8. (5ab) Search for companions to post-common envelope binaries. *Kilkenny, D., Koen, C.* 2012, MNRAS 421, 3238. (1bo, 5ab) Orbital period of eclipsing sdB+dM binary is rapidly increasing.
4U 2206+54	(see BD +53°2790)
SDSS J222108.45+002927.7	*Rebassa-Mansergas, A. et al.* (13 authors) 2012, MNRAS 423, 320. (2abc,5bdeg, 8ac)Study of post-common envelope binaries from.
2MASS J22455869+5628318 (GSC 3992-2510)	*Samec, R.G. et al.* (7 authors) 2012, IBVS No. 6035. (1a, 5abc, 6bd) UBVRI photometry of near contact EB.
1SWASP J234401.81−212229.1	*Lohr, M.E. et al.* (6 authors) 2012, A&A 542, A124. (1ao, 5b) Period decrease in EB candidate near the short-period limit.
2MASS J23461047+7129554 (GSC 4487-0347)	*Kozyreva, V.S., Kusakin, A.V., Menke, J.* 2012, IBVS No. 6020. (1a, 5abcf) Apsidal motion in eccentric EB.

Objects with other designations

Gliese 569b	(see WDS J14545+1606B)
GRS 1915+105	(see V1487 Aql)

GSC 0763-0572	(see CZ CMi)
GSC 2038-0293	(see RX J1602.8+2520)
GSC 2855-0585	(see 2MASS J03093252+4252387)
GSC 3992-2510	(see 2MASS J22455869+5628318)
GSC 4031-0791	(see 2MASS J01411638+6121185)
GSC 4487-0347	(see 2MASS J23461047+7129554)
GX 3+1	(see 1RXS J174755.8−263352)
GX 5-1	(see RXS J180108.7−250444)
GX 17+2	(see NP Ser)
GX 301-2	(see BP Cru)
GX 304-1	(see V850 Cen)
GX 339-4	(see V821 Ara)
Haro 6-10	(see GV Tau)
Holmberg II X-1	*Kajava, J.J.E. et al.* (4 authors) 2012, MNRAS 422, 990. (1x, 2dx, 5i) Ultraluminous x-ray source with possible stellar-mass BH component.
KIC 2856960	(see 2MASS J19293152+3804359)
KIC 2991403	*Pablo, H. et al.* (19 authors) 2012, MNRAS 422, 1343. (1ao) KEPLER data of close sdB+dM binary used for asteroseismologic analysis of pulsating sdB component; sdB star rotates much slower than in synchronized case.
KIC 4247791	(see 2MASS J19083956+3922369)
KIC 6614501	(see 2MASS J19365001+4201436)
KIC 11179657	*Pablo, H. et al.* (19 authors) 2012, MNRAS 422, 1343. (1ao) KEPLER data of close sdB+dM binary used for asteroseismologic analysis of pulsating sdB component; sdB star rotates much slower than in synchronized case.
KOI-126	(see 2MASS J19495420+4106514)
LHS 1070	(see 2MASS J00244419−2708242)
LS I +61°303	(see V615 Cas)
MOA-2011-BLG-090	*Shin, I-G. et al.* (130 authors) 2012, ApJ 755, 91. (1ao) Low-mass binary system (M-type) observed in gravitational microlensing events.
MWC 148	(see HDE 259440)
MWC 656	(see HD 215227)
NGC 188 5438	*Griffin, R.F.* 2012, AJ 144, 51. (2a*, 5d) Alternative orbit provides improved fit to data.
NGC 1291	*Luo, B., et al.* (10 authors) 2012, ApJ 749, 130. (2dx, 6b) Discovery of likely XRBws in galaxy.
NGC 6652	*Stacey, W.S., et al.* (5 authors) 2012, ApJ 751, 62. (1ax) Detection, discovery of XRB's in globular cluster.
NGC 6791	*Brogaard, K. et al.* (14 authors) 2012, A&A 543, 106. (5h) Age and helium content of the open cluster NGC 6791 from multiple EB members. II. Age dependencies and new insights.
NIK 1	*Barclay, T. et al.* (5 authors) 2012, MNRAS 422, 1219. (1ao, 5c, 6b) New dwarf nova of SU UMa type found from KEPLER observations 7 arcsec from 2MASS J19394843+3927236 (KIC 4378554); superoutburst with superhumps covered.

NSVS 14256825	(see 2MASS J20200045+0437564)
OGLE-2007-BLG-514	*Miyake, N. et al.* (81 authors) 2012, ApJ 752, 82. (1ao, 2o) Binary system observed in gravitational microlensing event.
OGLE-2011-BLG-417	*Shin, I-G. et al.* (130 authors) 2012, ApJ 755, 91. (1ao) Low-mass binary system (M-type) observed in gravitational microlensing event.
OGLE-BLG-RRLYR-02792	*Pietrzyński, G. et al.* (17 authors) 2012, Nature 484, 75. (2ado, 5bcde) RR Lyrae-type pulsations from a 0.26-solar mass star in a detached, double-lined EB.
PNG135.6+01.0	*Seigel, M.H. et al.* (5 authors) 2012, AJ 144, 65. (1aou, 6b) Central giant star found to have hot companion.
PTF 11kx	*Dilday, B. et al.* (35 authors) 2012, Science 337, 942. (2cdo, 5gi) Type Ia SN with a symbiotic nova progenitor.
SN2011fe	*Liu, J. et al.* (4 authors) 2012, ApJ 749, 141. (1ao, 2dx) Attempt to identify the progenitor of Type Ia SN in M 101.
SS 433	(see V1343 Aql)
TYC 1404-1687-1	(see 2MASS J09142593+1853543)
TYC 2930-872-1	(see BD +39°1560)
TYC 4110-1037-1	(see 2MASS J06541234+6021314)
TYC 8380-1953-1	(see 2MASS J19225242−4832106)
UCAC2 31686238	*Clem, J.L., Landolt, A.U.* 2012, PASP 124, 535. (1ao, 5abc) Contact binary in the field of UY Sex.
VFTS 698	(see SSTISAGEMC J053857.30−690709.5)

General

Adams, E.R. et al. (6 authors) 2012, AJ 144, 42. Adaptive optics detects contaminating close companions ot Kepler objects.

Allen, P.R. et al. (4 authors) 2012, AJ 144, 62. Low-mass companions to SBs sought with 2MASS common-proper-motion survey.

Anglada-Escudé, G. et al. (14 authors) 2012, PASP 124, 586. Absorption cells for precise RVs in K band.

Augustson, K.C. et al. (5 authors) 2012, ApJ 756, 169. Convection and differential rotation in F-type stars. (8a)

Badenes, C., Maoz, D. 2012, ApJ 749, L11. (8c) Merger rate of binary WDs in the galactic disk.

Barkov, M.V., Khangulyan, D.V. 2012, MNRAS 421, 1351. Direct wind accretion and jet launch in binary systems.

Barnard, R. et al. (7 authors) 2012, ApJ 756, 32. Period distribution of x-ray binaries in M31. (9)

Beuther, H., Linz, H., Henning, Th. 2012, A&A 543, 88. (5i) The high-mass disk candidates NGC 7538IRS1 and NGC 7538S.

Blondin, S. et al. (12 authors) 2012, AJ 143, 126. Spectroscopic diversity of type Ia SNe.

Bonaca, A. et al. (27 authors) 2012, ApJ 755, L12. Mixing-length parameter should vary with stellar properties. (8a)

Bukowiecki, L. et al. (4 authors) 2012, IBVS No. 6021. Period-age correlations for EBs in stellar clusters.

Cannon, K. et al. (14 authors) 2012, ApJ 748, 136. (7abcd) Detection of gravity waves from CB coalescence.

Cagas, P., Pejcha, O. 2012, A&A 544, 3. (2c) Discovery of a double EB with periods near a 3:2 ratio.

Chatzopoulos, E., Robinson, E.L., Wheeler, J.C. 2012, ApJ 755, 95. Rotationally induced mixing affects evolution of solar-type binaries and single stars. (8a)

Chen, X. et al. (4 authors) 2012, ApJ 755, L9. Constraints on double-degenerate progenitors for type Ia SNe. (8a)

Church, R.P. et al. (4 authors) 2012, MNRAS 425, 470. The properties of long γ-ray bursts in massive compact binaries.

Claret, A. 2012, A&A 541, A113. Gravity-darkening exponents and apsidal-motion constants for pre-main-sequence models.

Coriat, M., Fender, R.P., Dubus, G. 2012, MNRAS 424, 1991. Revisiting a fundamental test of the disc instability model for x-ray binaries.

De Vito, M.A., Benvenuto, O.G. 2012, MNRAS 421, 2206. The evolution of low-mass CBs with a NS component: a detailed grid.

Dieterich, S.B. et al. (5 authors) 2012, AJ 144, 64. Multiplicity study of nearby stars indicates scarcity of brown-dwarf companions.

Domingos, R.C., Winter, O.C., Carruba, V. 2012, A&A 544, 63. (8b) Mean motion resonances and the stability of a circumbinary disk in a triple stellar system.

Eldridge, J.J. 2012, MNRAS 422, 794. Stochasticity, a variable stellar upper mass limit, binaries and star formation indicators.

Faghei, K. 2012, JApA 33, 9. Self-similar solutions for viscous and resistive advection-dominated accretion flows.

Falceta-Gonçalves, D., Abraham, Z. 2012, MNRAS 423, 1562. MHD numerical simulations of colliding winds in massive binary systems. I. Thermal versus non-thermal radio emission.

Fender, R., Belloni, T. 2012, Science 337, 540. Stellar-mass BHs and ultraluminous x-ray sources.

Fernández, J.F. et al. (4 authors) 2012, PASP 124, 507. New method for differentisl photometry.

Fuller, J., Lai, D. 2012, MNRAS 421, 426. Dynamical tides in compact WD binaries: tidal synchronization and dissipation.

Geier, S. et al. (18 authors) 2012, Astron. Nachr. 333, 431. MUCHFUSS – Massive unseen companions to hot faint underluminous stars from SDSS.

Geller, A.M., Mathieu, R.D. 2012, AJ 144, 54. Statistical properties of NGC 188 binaries.

Gies, D.R. et al. (7 authors) 2012, AJ 143, 137. Search for hierarchical triples using Kepler eclipse timing.

Groenewegen, M.A.T. 2012, A&A 543, 36. (8ac) An extension of the DUSTY radiative transfer code and an application to OH 26.5 and TT Cygni.

Guenther, E.W. et al. (6 authors) 2012, A&A 543, 125. (2c) Multi-object spectroscopy of stars in the CoRoT fields. II. The stellar population of the CoRoT fields IRa01, LR01a01, LRa02, and LRa06.

Ishibashi, W., Courvoisier, T.J.-L. 2012, A&A 540, L2. The physical origin of the x-ray power spectral density break timescale in accreting BHs.

Janiuk, A., Misra, R. 2012, A&A 540, A114. Stabilization of radiation pressure dominated ADs through viscous fluctuations.

Jiang, D. et al. (5 authors) 2012, MNRAS 421, 2769. The short-period limit of contact binaries.

Justham, S., Schawinski, K. 2012, MNRAS 423, 1641. Another thread in the tapestry of stellar feedback: x-ray binaries.

Kai, T., Arai, K. 2012, Ap&SS 341, 359. (5i) On the prescriptions of viscosity in an AD model.

Kasliwal, M.M. 2012, PASA 29, 482. Systematically bridging the gap between novae and supernovae.

Kastner, J.H. et al. (26 authors) 2012, AJ 144, 58. Chandra x-ray observations of PNe may indicate high frequency of binary central stars.

Kato, S. 2012, PASJ 64, 78. Trapped, two-armed, nearly vertical oscillations in disks with toroidal magnetic fields II: Effects of finite thickness.

Kato, T., Maehara, H., Uemura, M. 2012, PASJ 64, 63. Characterization of dwarf novae using SDSS colours.

Korntreff, C., Kaczmarek, T., Pfalzner, S. 2012, A&A 543, 126. (8a) Towards the field binary population: influence of orbital decay on CBs.

Kotko, I., Lasota, J.-P 2012, A&A 545, 115. (5i) The viscosity parameter α and the properties of accretion disc outbursts in CBs.

Kowalska, I., Bulik, T., Belczynski, K. 2012, A&A 541, A120. Gravitational wave background from Population III coalescing compact binaries.

Krawczynski, H. 2012, ApJ 754, 133. Strong gravity test for GR in BH XRBs not distinguishable. (8)

Langer, N. 2012, ARA&A 50, 107. Presupernova evolution of massive single and binary stars.

Linden, T., Valsecchi. F., Kalogera, V. 2012, ApJ 748, 114. (8c) An explanation for the rarity of XRBs with naked He donors.

Linder, N. et al. (5 authors) 2012, A&A 541, 2. The Struve-Sahade effect in the optical spectra of O-type binaries. I. Main-sequence systems (Corrigendum). Erratum of: A&A 474, 193 (2007)

Linnell, A.P., DeStefano, P., Hubeny, I. 2012, PASP 124, 885. A publicly available program for simulating spectra and LCs of binaries with or without ADs.

Longland, R. et al. (5 authors) 2012, A&A 542, A117. Lithium production in the merging of WD stars.

Lutovinov, A.A., Grebenev, S.A., Tsygankov, S.S. 2012, AstL 38, 492. Luminosity function of HMXBs and anisotropy in the distribution of AGNs toward the LMC. (9x)

Maoz, D., Mannucci, F. 2012, PASA 29, 447. Type-Ia supernova rates and the progenitor problem: A review.

Marzari, F. 2012, MNRAS 421, 3431. Interstellar medium perturbations on transport-dominated debris discs in binary star systems.

Matt, S.P. et al. (4 authors) 2012, ApJ 754, L26. Magnetic-braking formulation for Sun-like stars. (8d)

Meeus, G. et al. (18 authors) 2012, A&A 544, 78. (2c) Observations of Herbig Ae/Be stars with Herschel/PACS. The atomic and molecular contents of their protoplanetary discs.

Mendigutia, I. et al. (7 authors) 2012, A&A 543, 59. (5i) Accretion-related properties of Herbig Ae/Be stars. Comparison with T Tauris.

Moeckel, N., Veras, D. 2012, MNRAS 422, 831. Exoplanets bouncing between binary stars.

Montgomery, M.M. 2012, ApJ 753, L27. Disk tilt, warp, precession of SU UMa-type systems. (5i, 8a)

Noaz, S., Farr, W.M. 2012, ApJ 754, L36. Formation of Jupiters in binary stellar systems. (8a)

Ogilvie, G.I., Lesur, G. 2012, MNRAS 422, 1975. On the interaction between tides and convection.

Oskinova, L.M., Feldmeier, A., Kretschmar, P. 2012, MNRAS 421, 2820. Clumped stellar winds in supergiant HMXBs: x-ray variability and photoionization.

Osten, R.A. et al. (4 authors) 2012, ApJ 754, 4. Flaring stars and binaries in the galactic bulge. (9)

Pan, K.C., Ricker, P.M, Taam, R.E. 2012, ApJ 750, 151. (8c) Impact of type Ia SN ejecta on companions.

Parker, R.J., Goodwin, S.P. 2012, MNRAS 422, 1975. The same, but different: stochasticity in binary destruction.

Patruno, A. 2012, ApJ 753, L12. Magnetic field burial models explain lack of pulsar pulsations in LMXBs. (8ad)

Pe'er, A., Markoff, S. 2012, ApJ 753, 177. Transient BH jet model. (8ad)

Penner, A.J. et al. (5 authors) 2012, ApJ 749, L36. (8c) Crustal failure of NSs during spiral infall.

Piro, R.L. 2012, ApJ 755, 80. Magnetic interactions in coalescing NS binaries. (8a)

Revnivtsev, M.G., Zolotukhin, I.Y., Meshcheryakov, A.V. 2012, MNRAS 421, 2846. Period-luminosity relation for persistent LMXBs in the near IR.

Rivero Gonzalez, J.G. et al. (4 authors) 2012, A&A 543, 95. (2c) Nitrogen line spectroscopy in O-stars. III. The earliest O-stars.

Romanova, M.M. et al. (4 authors) 2012, MNRAS 421, 63. MRI-driven accretion on to magnetized stars: global 3D MHD simulations of magnetosheric and boundary layer regimes.

Sana, H. et al. (10 authors) 2012, Science 337, 444. (9) Binary interaction dominates the evolution of massive stars.

Sanna, N. et al. (6 authors) 2012, MNRAS 422, 1171. The blue straggler star population in NGC 6229.

Semena, A.N., Revnivtsev, M.G. 2012, AstL 38, 321. Estimation of plasma parameters in an accretion column near the surface of accreting WDs from their flux variability. (8d)

Shah, S., van der Sluys, M., Nelemans, G. 2012, A&A 544, 153. (7b) Using electromagnetic observations to aid gravitational-wave parameter estimation of compact binaries observed with LISA.

Shao, Y., Li, X-D. 2012, ApJ 756, 85. Formation of MS pulsars from XRBs. (8a, 9)

Shaposhnikov, N. 2012, ApJ 752, L25. The nature of QPO phase lags. (8a)

Shen, K.J. et al. (4 authors) 2012, ApJ 748, 35. (8c) A model for long-term evolution of double WD mergers.

Shibahashi, H., Kurtz, D.W. 2012, MNRAS 422, 738. FM stars: a Fourier view of pulsating binary stars, a new technique for measuring RVs photometrically.

Singh, J., Umar, A. 2012, AJ 143, 123. Automated classification of 2165 Kepler EBs.

Smith, J.C. et al. (11 authors) 2012, PASP 124, 1000. Bayesian approach to systematic error correction.

Stepien, Gazeas, K. 2012, AcA, 62, 153-177. Evolution of low-mass contact binaries.

Stumpe, M.C. et al. (11 authors) 2012, PASP 124, 985. Algorithms for correcting errors in Kepler LCs.

Tokovinin, A. et al. (4 authors) 2012, AJ 144, 7. Adaptive optics reveals sub-arc-second companions to nearby stars showing astrometric acceleration.

Tsalmantza, P., Hogg, D.W. 2012, ApJ 753, 122. Double redshift finder. (2io*, 7c)

Tyndall, A.A. et al. (5 authors) 2012, MNRAS 422, 1804. A study of the kinematics and binary-induced shaping of the planetary nebula HaTr4.

Uemura, M. et al. (4 authors) 2012, PASJ 64, 92. Reconstruction of the structure of ADs in dwarf novae from the multi-band LCs of early superhumps.

Vanbeveren, D., Mennekens, N., De Greve, J.P. 2012, A&A 543, 4. (5h) The effect of intermediate-mass CBs on the chemical evolution of globular clusters.

van Haaften, L.M., Voss, R., Nelemans, G. 2012, A&A 543, 121. (1x, 6c) Long-term luminosity behavior of 14 ultracompact x-ray binaries.

van Rossum, D.R. 2012, ApJ 756, 43. Synthetic spectra for x-ray novae. (8c)

Wagoner, R.V. 2012, ApJ 752, L18. Is the disk the source of QPOs? (8a)

Wang, B., Han, Z. 2012, New Astron. Rev. 56, 122. Progenitors of type Ia SNe.

Wang, J., Zhang, C.M., Chang, H.-K. 2012, A&A 540, A100. Testing the accretion-induced field-decay and spin-up model for recycled PSRs.

Wang, J. et al. (5 authors) 2012, PASP 124, 598. Dispersed fixed-delay interferometer for precise RV measurements.

Wang, K.S., van der Tak, F.F.S., Hogerheijde, M.R. 2012, A&A 543, 22. (5i) Kinematics of the inner thousand AU region around the young massive star AFGL 2591-VLA3: a massive disk candidate.

Wang, Y., Khardon, R., Protopapas, P. 2012, ApJ 756, 67. Nonparametric Bayesian estimation of LC periods. (7d)

Wang, Z.-Y. et al. (4 authors) 2012, RAA 12, 661. A model of low-frequency QPOs in BH x-ray binaries.

Weinberg, N.N. et al. (4 authors) 2012, ApJ 751, 136. (8c) Nonlinear tides in CBs.

White, H.E. 2012, ApJ 752, 122. Gravity darkening and brightening of binaries . (8a)

Wilson, R.E. 2012, AJ 144, 73. Spotted-star LCs with enhanced precision.

Zhang, F. et al. (5 authors) 2012, MNRAS 421, 743. Binary interactions on the calibrations of star formation rate.

Zhang, X.B., Luo, C.O., Fu, J.N. 2012, AJ 144, 86. (1ao, 6b) Detection of new binaries in young cluster NGC 457.

Zhekov, S.A. 2012, MNRAS 422, 1332. X-rays from colliding stellar winds: the case of close WR+O binary stars.

Zhilkin, A.G., Bisikalo, D.V., Mason, P.A. 2012, ARep 56, 257. Full 3D MHD calculations of accretion flow structure in magnetic CVs with strong, complex magnetic fields. (8ad)

Zhong, S.-Y., Liu, S. 2012, Ap&SS 342, 317. (8a) Symplectic integrators with adaptive timestep applied to spinning compact binaries.

Zschoke, S. 2012, AJ 144, 77. Light deflection in binaries.

Collections of data

Abbasi, R. et al. (258 authors) 2012, ApJ 748, 118. (10) Searches for neutrino emissions from several XRBs.

Banfi, M. et al. (20 authors) 2012, IBVS No, 6033 (5a) Minima of EBs: V473 And, V480 And, V487 And, V502 And, XX Ant, CK Aqr, GS Aqr, AL Ari, EM Aur, MM Aur, MR Aur, V562 Aur, V594 Aur, TU Boo, EF Boo, XZ CMi, AE Cas, DO Cas, V541 Cas, DM CVn, EL CVn, EV CVn, UX CrB, V997 Cyg, V1187 Cyg, V1191 Cyg, V1905 Cyg, V1763 Cyg, V2287 Cyg, V2486 Cyg, CR Del, KO Del, HL Dra, GSC 3881-0579, VV Eri, AM Her, V1072 Her, V1088 Her, V1106 Her, GSC 1518-0913, EZ Lac, FU Lac, XX Leo, VW LMi, WZ LMi, AA Lyn, CW Lyn, DI Lyn, EH Lyn, HY Lyr, PV Lyr, QQ Lyr, V574 Lyr, GSC 3108-0057, DD Mon, V383 Mon, V464 Mon, V527 Mon, ET Ori, BW Peg, V365 Peg, V963 Per, GR Psc, CP Sge, V423 Tau, V1374 Tau, BE Tri, BM Tri, BX Tri, CM Tri, CN Tri, CS Tri, XY UMa, GZ UMa, LL UMa, MS UMa, EY Vul, V384 Vul, V467 Vul.

Bernardini, F. et al. (8 authors) 2012, A&A 542, A22. (2dx) Characterization of nine hard x-ray CVs: V2069 Cyg, XSS J0056, RX J0636+3535, IGR J08390−4833, IGR J1509-6649, IGR J16500−3307, IGR J17195-4100, IGR J18173−2509, IGR J18308−1232.

Bird, A.J. et al. (4 authors) 2012, MNRAS 423, 3663. (1ao, 5bc) Optical periodicities of 49 SMC Be/x-ray binaries.

Bodaghee, A. et al. (4 authors) 2012, ApJ 751, 113. (1x, 4a) Improved positions for five XRBs.

Bodaghee, J.A., Tomsick, J.A., Rodriguez, J. 2012, ApJ 753, 3. (1xi*, 2x,) Observations of INTEGRAL sources IGR J18482+0049, IGR J18538−0102, IGR J18457+0244, IGR J18532+0416, IGR J18462−0223; last one is probably HMXB.

Bozzo, E. et al. (8 authors) 2012, A&A 544, 118. (6c) XMM-Newton observations of five hard x-ray emitters, probably all HMXBs: IGR J08262−3736, IGR J16328−4726, IGR J17348−2045, IGR J17354−3255, SAX J1818.6−1703.

Cao, Y. et al. (13 authors) 2012, ApJ 752, 133. (1au) 29 classical novae in M31.

Denisenko, D.V. 2012, AstL 38, 249. (1o*i*, 6b, 7d) CVs from the USNO-B1.0 Catalog: stars with outbursts on infrared Palomar plates.

Diethelm, R. 2012, IBVS No. 6029 (5a) Timings of Minima of EBs: ASAS 054432+1305.7, AA UMa, AB Cnc, AC Boo, AC CMi, AC Crt, AD Boo, AE LMi, AF LMi, AG CMi, AG LMi, AG Leo, AG Vir, AH Cnc, AH Lyn, AH Vir, AI Sex, AK CMi, AK Cam, AL Cam, AL Leo, AL Tau, AM Leo, AN Tau, AO CMi, AO Cnc, AO Ser, AP Aur, AP Leo, AP Tau, AQ Com, AQ Ser, AQ Tau, AR Boo, AR CrB, AR Dra, AS CrB, AS Mon, AS Ser, AS Tau, AT Mon, AU Dra, AU Ser, AV CMi, AV CrB, AV Hya, AW Vir, AX Dra, AX Vir, AY CrB, AZ Cam, AZ Vir, BD CrB, BE UMa, BF Dra, BF Vir, BG Leo, BH UMa, BH Vir, BI CVn, BI Ser, BL Leo, BM UMa, BO CVn, BQ Eri, BQ UMa, BS UMa, BU Dra, BW Leo, BX Dra, CC Com, CC Ser, CC Tau, CE Leo, CG Vir, CI CVn, CK Boo, CK Gem, CM Com,

CM Dra, CN Com, CQ Hya, CQ Ser, CT Her, CU Hya, CV Boo, CV Dra, CX CMi, CX Vir, DD Com, DE Hya, DE Lyn, DF CVn, DF Hya, DG Com, DH CVn, DI CVn, DI Her, DK CVn, DM Vir, DO Aur, DP Gem, DQ CVn, DR CVn, DR Vul, DU Leo, DW CMi, DX CVn, DY CVn, DY Vir, DZ Ori, EE CVn, EF Boo, EF CVn, EF Ori, EG Ori, EH Cnc, EH Ori, EI Aur, EI CVn, EK Com, EK Lyn, EL CMi, EN CVn, EN Tau, EP Aur, EQ CMi, EQ Com, EQ Ori, ER Ori, ES Lac, ES UMa, EW Boo, EW Ori, EX CVn, EY Gem, EZ Hya, EZ Mon, EZ Sct, FG Hya, FH Mon, FI Lyn, FO Aur, FP Aur, FQ CVn, FQ Vir, FS Mon, FT Gem, FT Ori, FU CVn, FU Dra, FU Lib, FU Lyn, FV CVn, FW Her, FY Boo, FZ CVn, GG CVn, GG Mon, GG Ori, GH Boo, GH Mon, GI Boo, GI CVn, GK Boo, GK Lib, GL Boo, GN Boo, GN CVn, GO Boo, GO CVn, GQ Boo, GQ Cnc, GR Boo, GS Boo, GSC 1006-1687, GSC 1010-1632, GSC 108-1146, GSC 122-419, GSC 1293-1162, GSC 1304-227, GSC 1351-225, GSC 1351-383, GSC 1360-49, GSC 1368-1192, GSC 1368-1411, GSC 1368-1825, GSC 1369-98, GSC 1383-181, GSC 1407-222, GSC 1410-439, GSC 1417-401, GSC 1419-666, GSC 1422-142, GSC 1429-137, GSC 1429-560, GSC 1434-1034, GSC 1441-914, GSC 1443-87, GSC 1445-866, GSC 1446-1499, GSC 1446-2377, GSC 1467-1309, GSC 1470-582, GSC 1477-516, GSC 1478-669, GSC 1484-525, GSC 1499-834, GSC 1505-565, GSC 1528-936, GSC 1538-342, GSC 1539-326, GSC 1546-1276, GSC 1552-839, GSC 1553-1964, GSC 1577-974, GSC 1580-1606, GSC 1581-2444, GSC 1624-493, GSC 163-1374, GSC 167-251, GSC 1864-1065, GSC 1909-2392, GSC 1927-1182, GSC 1950-1942, GSC 1963-488, GSC 1969-579, GSC 1971-916, GSC 1981-237, GSC 199-2035, GSC 1994-465, GSC 1994-935, GSC 1999-404, GSC 201-1119, GSC 2034-1670, GSC 2043-227, GSC 2090-1621, GSC 2093-1834, GSC 2094-2056, GSC 2115-1000, GSC 217-849, GSC 230-1627, GSC 234-960, GSC 235-461, GSC 238-2372, GSC 242-2191, GSC 243-397, GSC 246-90, GSC 2484-139, GSC 250-668, GSC 253-870, GSC 256-41, GSC 262-948, GSC 263-585, GSC 265-617, GSC 267-162, GSC 267-253, GSC 270-593, GSC 270-777, GSC 270-9, GSC 272-630, GSC 272-94, GSC 274-437, GSC 279-35, GSC 279-822, GSC 286-631, GSC 291-860, GSC 296-9, GSC 303-36, GSC 303-65, GSC 303-735, GSC 3039-709, GSC 304-73, GSC 3011-1150, GSC 3080-1410, GSC 314-1184, GSC 314-388, GSC 3152-1202, GSC 316-99, GSC 317-1142, GSC 317-161, GSC 318-1169, GSC 322-760, GSC 323-602, GSC 330-1394, GSC 332-302, GSC 3475-348, GSC 355-983, GSC 357-162, GSC 361-795, GSC 362-302, GSC 366-196, GSC 368-118, GSC 370-468, GSC 378-1212, GSC 381-743, GSC 394-1770, GSC 419-1667, GSC 4190-894, GSC 4193-44, GSC 4194-2180, GSC 4286-49, GSC 429-1488, GSC 436-1066, GSC 440-1798, GSC 4407-351, GSC 4418-800, GSC 4579-1005, GSC 4647-555, GSC 4739-480, GSC 4754-17, GSC 4783-2332, GSC 4783-266, GSC 4784-830, GSC 4815-2034, GSC 4824-2990, GSC 4827-2862, GSC 4828-2284, GSC 4834-3265, GSC 4835-106, GSC 4835-1947, GSC 4839-280, GSC 4840-528, GSC 4854-2084, GSC 4855-2438, GSC 4858-2028, GSC 4861-1380, GSC 4870-779, GSC 4878-113, GSC 4879-1416, GSC 4881-888, GSC 4882-117, GSC 4884-1351, GSC 4887-1149, GSC 4893-1294, GSC 4895-1885, GSC 4896-135, GSC 4896-33, GSC 4897-1114, GSC 4897-1250, GSC 4906-447, GSC 4907-1262, GSC 4907-992, GSC 4908-1303, GSC 4909-1434, GSC 4911-1235, GSC 4913-1090, GSC 4916-292, GSC 4916-492, GSC 4918-1155, GSC 4920-943, GSC 4921-819, GSC 4936-907, GSC 4955-767, GSC 4956-1196, GSC 4958-415, GSC 4958-697, GSC 4968-751, GSC 4969-725, GSC 4977-1397, GSC 4980-656, GSC 4987-740, GSC 5017-129, GSC 5028-828, GSC 5037-866, GSC 5044-460, GSC 5054-1417, GSC 5059-1258, GSC 5059-477, GSC 5076-483, GSC 5080-1864, GSC 5085-331, GSC 5108-617, GSC 5124-377, GSC 5322-2251, GSC 5330-664, GSC 5337-1744, GSC 5351-457, GSC 5352-540, GSC 5358-917, GSC 5361-545, GSC 5385-870, GSC 5391-1821, GSC 5398-2032, GSC 5399-2407, GSC 5404-2421, GSC 5404-4206, GSC 5405-3070, GSC 5406-2659, GSC 5407-2794, GSC 5421-76, GSC 5422-1430, GSC 5426-1920, GSC 5427-2330, GSC 5428-504, GSC 5429-1473, GSC 5447-1531, GSC 5447-940, GSC 5449-1194, GSC 5457-59, GSC 5458-351, GSC 5463-45, GSC 5472-1583, GSC 5472-602, GSC 5472-966, GSC 5477-108, GSC 5478-562, GSC 5481-1160, GSC 5487-197, GSC 5487-801, GSC 5489-511, GSC 5489-963, GSC 5495-765, GSC 5497-221, GSC 5499-1020, GSC 5500-260, GSC 5507-705, GSC 5509-1073, GSC 5509-1347, GSC 5509-447, GSC 5516-355, GSC 5519-1371, GSC 5524-817, GSC 5529-1490, GSC 5532-1333, GSC 5539-45, GSC 5542-599, GSC 5542-599, GSC 5543-1042, GSC 5548-1080, GSC 5553-1474, GSC 5569-173, GSC 5572-705, GSC 5600-923, GSC 5605-700, GSC 5623-1173, GSC 5629-912, GSC 5636-400, GSC 5640-366, GSC 5681-848, GSC 5934-2133,

GSC 5948-2942, GSC 5998-1918, GSC 6011-1986, GSC 6013-1086, GSC 6027-1009, GSC 6029-311, GSC 6046-312, GSC 6077-1825, GSC 6085-670, GSC 6094-1317, GSC 6095-294, GSC 6136-609, GSC 6155-352, GSC 6171-209, GSC 6265-1357, GSC 706-845, GSC 727-47, GSC 730-243, GSC 753-1431, GSC 758-823, GSC 762-958, GSC 763-1042, GSC 764-235, GSC 772-425, GSC 774-58, GSC 795-590, GSC 800-1379, GSC 808-1106, GSC 815-1932, GSC 817-322, GSC 817-411, GSC 819-48, GSC 819-595, GSC 827-1011, GSC 828-1721, GSC 829-1040, GSC 832-1401, GSC 835-652, GSC 840-216, GSC 847-367, GSC 851-768, GSC 859-1106, GSC 870-349, GSC 871-248, GSC 873-411, GSC 873-420, GSC 878-260, GSC 881-218, GSC 881-920, GSC 883-1116, GSC 886-340, GSC 887-564, GSC 891-117, GSC 892-892, GSC 897-470, GSC 898-3, GSC 900-421, GSC 902-318, GSC 912-792, GSC 930-267, GSC 945-626, GSC 949-1089, GSC 950-560, GSC 954-418, GSC 960-1531, GSC 960-163, GSC 965-581, GSC 967-1277, GSC 971-933, GSC 973-1212, GSC 978-1292, GSC 978-768, GSC 979-1273, GSC 987-1582, GU Boo, GV Leo, GV Pup, GW Boo, GW Cnc, HH Boo, HI Leo, HM Mon, HP Aur, HR Boo, HR Gem, HS Her, HS Leo, HT Mon, HU Aur, HW Cam, IL Boo, IL Cnc, IM Cnc, IN Boo, IO Boo, IO Cnc, IR Cnc, IR Vir, IS Boo, IU Cnc, IV Dra, IW UMa, IZ Aur, KM Boo, KM UMa, KP Aql, KQ Gem, KR Mon, KT Cnc, KW Boo, KW Pup, KY Cnc, KZ Boo, LL Com, LM Boo, LN Dra, LO Com, LO UMa, LP Com, LR Cam, LR Com, LU Cnc, LV Her, MM Com, MM Her, MO Pup, MS UMa, MT Boo, MT UMa, MU Aur, MU Dra, MX Mon, MY Boo, MY Dra, NN Com, NN Mon, NO Per, NP Per, NR Boo, NSV 10497, NSV 1864, NSV 2698, NSV 4095, NSV 4158, NSV 4638, NSV 7481, NSV 7727, NSV 7838, NSV 9555, NT Dra, NU Boo, NV Dra, NW Dra, NX Boo, NY Boo, NY Lyr, OO Dra, OQ Dra, OQ UMa, OX Per, PQ Dra, PS Vir, PW UMa, PY Boo, PY Vir, PZ Boo, PZ UMa, QQ Boo, QT UMa, QU Dra, QV UMa, QX Boo, QX Vir, QZ Cam, RR CMa, RT CrB, RT LMi, RU Mon, RU UMi, RV CVn, RW Com, RW CrB, RW Leo, RX Dra, RY Lyn, RZ Com, RZ Lyn, RZ UMi, SS Com, SS Lib, SU Boo, SX Lyn, SY Boo, SY Hya, TT Her, TU Boo, TU CrB, TW CrB, TX Boo, TX CMi, TY Boo, TY CMi, TY Lib, TY UMa, TZ Boo, TZ Gem, TZ Lyr, U Sct, UCAC3 178-203153, UU Leo, UU Lyn, UV Lyn, UW Hya, UW Ori, UX Com, UX UMa, UY UMa, UZ CMi, UZ Leo, V Crt, V1005 Her, V1016 Oph, V1024 Her, V1025 Her, V1026 Her, V1031 Her, V1033 Her, V1034 Her, V1036 Her, V1037 Her, V1038 Her, V1040 Her, V1042 Her, V1044 Her, V1067 Her, V1073 Her, V1094 Her, V1094 Tau, V1095 Her, V1102 Her, V1109 Sgr, V1119 Her, V1120 Oph, V1133 Her, V1134 Her, V1136 Cyg, V1143 Her, V1260 Tau, V1305 Tau, V1353 Ori, V1355 Tau, V1369 Tau, V1370 Tau, V1374 Tau, V1626 Ori, V1799 Ori, V1851 Ori, V1853 Ori, V2425 Oph, V2563 Oph, V2612 Oph, V2650 Oph, V2685 Ori, V2735 Ori, V2759 Ori, V2783 Ori, V2793 Ori, V337 UMa, V337 Vir, V338 Dra, V338 Her, V339 Dra, V340 Vir, V341 Dra, V342 Dra, V342 UMa, V342 Vir, V343 Cam, V343 UMa, V344 Dra, V351 Lib, V356 UMa, V357 UMa, V358 Hya, V358 UMa, V359 Her, V360 UMa, V361 Lyr, V362 UMa, V364 UMa, V366 UMa, V368 Cam, V372 Cam, V379 Cam, V383 Mon, V384 Mon, V384 Ser, V385 Ser, V391 Oph, V391 Vir, V392 Cam, V401 Cam, V404 Gem, V410 Gem, V410 Hya, V415 Gem, V420 Cam, V424 Cam, V425 Gem, V425 Ser, V426 Cam, V434 Ser, V450 Her, V451 Cam, V452 Mon, V456 Oph, V457 Cam, V457 Mon, V463 Mon, V467 Vir, V468 Cam, V470 Cam, V473 Cam, V474 Cam, V475 Hya, V476 Hya, V477 Cyg, V477 Her, V479 Cam, V483 Cam, V496 Cam, V497 Cam, V498 Cyg, V500 Cam, V502 Her, V505 Cam, V506 Cam, V507 Cam, V508 Oph, V509 Cam, V511 Oph, V514 Cam, V514 Hya, V515 Cam, V517 Cam, V518 Cam, V519 Cam, V519 Hya, V519 Ori, V523 Aur, V524 Mon, V528 Mon, V530 Mon, V532 Mon, V571 Lyr, V574 Lyr, V582 Lyr, V586 Oph, V589 Vir, V591 Vir, V592 Lyr, V618 Aur, V636 Aur, V639 Aur, V641 Ori, V681 Her, V687 Her, V733 Her, V781 Tau, V784 Sco, V789 Her, V802 Aql, V803 Aql, V839 Oph, V842 Her, V843 Mon, V848 Her, V856 Her, V857 Her, V889 Aql, V925 Mon, V929 Mon, V934 Mon, V948 Mon, V953 Mon, V962 Aql, V963 Per, V974 Cyg, V983 Oph, VV CVn, VV UMa, VV Vir, VW Boo, VW Hya, VY Pup, VZ CVn, VZ Leo, VZ Lib, VZ Sct, VZ UMi, W Crv, WW Cnc, WW Eri, WW Gem, WW Sex, WX Sex, WZ Sex, XX Leo, XY Boo, XY LMi, XY Leo, XY UMa, XZ Leo, XZ UMa, Y Leo, Y Sex, YY Cnc, YY CrB, YZ CVn, Z Dra, Z Lep, ZZ Aur, ZZ UMa.

Dupuy, T.J., Liu, M.C. 2012, ApJS 201, 19. (1i, 4c) Hawaii infrared parallax program: ultracool binaries and the L/T transition.

Fahed, R., Moffat, A.F.J. 2012, MNRAS 424, 1601. (2abc, 5deg, 8ab) Colliding winds in five WR+O systems: WR 12, WR 21, WR 30, WR 31, WR 47.

Fruth, T. et al. (13 authors) 2012, AJ 143, 140. (1ao, 6b) New variables in CoRoT field include many EBs.

Gallo, E., Miller, B.P., Fender, R. 2012, MNRAS 423, 590. (1rx, 5cgi) Evidence for dual tracks in the radio/x-ray domain of BH x-ray binaries: XTE J1650−500, XTE J1908+094, A0620−00, XTE J1720−318, GRO J1655−40, IGR J17177−3656, Swift J1753.5−0127, H1743−322, IGR J17091−3624, 4U 1543−47, V404 Cygni.

Goulding, A.D. et al. (11 authors) 2012, ApJS 202, 6. (1x, 2x) The Chandra x-ray point-source catalog in the DEEP2 galaxy redshift survey fields.

Griffin, R.F. 2012, JApA 33, 29. (1bo, 5d) Spectroscopic orbits for 52 stars in the Hyades field: van Bueren 22, vB 39, vB 50, vB 59, vB 75, vB 102 and other systems.

Griffin, R.F. 2012, JApA 33, 227. (1bo, 5d) Six more SBs among the Redman K stars: HD 3345, 15728, 20509, 188058, 191046 and 191084.

Griffin, R.F. 2012, Observatory 132, 76. (2ao, 5d) HR 396, HR 7477, 7636, 6 And, bright SB1s; HR 396 has slow trend in γ, others all long-period.

Griffin, R.F. 2012, Observatory 132, 156. (2ao, 5d) HD 180660 (companion to V342 Aql), HD 183791 (large f(M)), BD +57°2161 (carbon star), BD +34°4216 (composite spectrum).

Griffin, R.F. 2012, Observatory 132, 223. (2ao, 5d) HR 1313, HR 3567, HR 3907, HR 6239, giant SB1s.

Griffin, R.F., Stroe, A. 2012, JApA 33, 245. (1bo, 5d) 45 years' monitoring of the RVs of the Redman K Stars.

Halbwachs, J.-L., Mayor, M., Udry, S. 2012, MNRAS 422, 14. (2a, 5bd, 6b) 66 CPM stars with variable RV from AGK3 catalogue found to be SB2 systems; orbital elements for 52 systems (new orbits for 40 SB2 systems, others were improved), including two triple systems and one with a brown dwarf component.

Heil, L.M., Vaughan, S., Uttley, P. 2012, MNRAS 422, 2620. (1x*, 5cg) The ubiquity of the rms-flux relation in BH x-ray binaries: GX 339?4, XTE J1118+480, GS 1354−64, 4U 1543−475, XTE J1550−564, XTE J1650−500, GRO J1655−40, H1743−322, XTE J1859+226.

Hübscher, J., Lehmann, P.B. 2012, IBVS No. 6026 (5a) BAV-Results of observations - Photoelectric Minima of Selected EBs: TT And, UU And, WZ And, AA And, AB And, AD And, BD And, BL And, BX And, CP And, CZ And, DK And, DS And, EP And, GZ And, KN And, KP And, LM And, MO And, QR And, QX And, V404 And, V412 And, V422 And, V425 And, V441 And, V449 And, V452 And, V463 And, CX Aqr, HS Aqr, HV Aqr, V343 Aql, V417 Aql, V418 Aql, V420 Aql, V1713 Aql, RX Ari, SS Ari, XZ Ari, BQ Ari, ZZ Aur, CI Aur, IY Aur, MO Aur, NN Aur, V523 Aur, V585 Aur, V596 Aur, V607 Aur, V623 Aur, V627 Aur, SU Boo, TU Boo, TZ Boo, UW Boo, XY Boo, GH Boo, GR Boo, HH Boo, UU Cam, XZ Cam, AO Cam, AT Cam, AZ Cam, CD Cam, FN Cam, HW Cam, LR Cam, NQ Cam, NS Cam, NU Cam, OQ Cam, PP Cam, V335 Cam, V382 Cam, V395 Cam, V514 Cam, EH Cnc, IL Cnc, IU Cnc, RS CVn, TU CMi, BH CMi, TY Cap, TW Cas,

XX Cas, AB Cas, AE Cas, AH Cas, AL Cas, AQ Cas, AT Cas, AX Cas, BG Cas, BH Cas, BN Cas, BS Cas, BU Cas, CR Cas, CW Cas, DN Cas, DP Cas, DZ Cas, EG Cas, EN Cas, EP Cas, ES Cas, EY Cas, GG Cas, GK Cas, IL Cas, IQ Cas, IR Cas, IS Cas, IT Cas, IV Cas, KR Cas, MN Cas, MS Cas, MT Cas, MV Cas, NN Cas, NU Cas, OX Cas, V344 Cas, V345 Cas, V350 Cas, V357 Cas, V359 Cas, V360 Cas, V361 Cas, V366 Cas, V368 Cas, V374 Cas, V375 Cas, V381 Cas, V387 Cas, V411 Cas, V419 Cas, V427 Cas, V471 Cas, V473 Cas, V520 Cas, V523 Cas, V544 Cas, V546 Cas, V608 Cas, V651 Cas, V765 Cas, V776 Cas, V860 Cas, V952 Cas, V969 Cas, V1001 Cas, V1004 Cas, V1011 Cas, V1063 Cas, V1094 Cas, V1107 Cas, V1115 Cas, V1138 Cas, V1139 Cas, XX Cep, BE Cep, BU Cep, CM Cep, CW Cep, DL Cep, DP Cep, DW Cep, EF Cep, HI Cep, IM Cep, IW Cep, KP Cep, KV Cep, LM Cep, LP Cep, NN Cep, NW Cep, V737 Cep, V743 Cep, V744 Cep, RZ Com, SS Com, EQ Com, LL Com, LO Com, MR Com, RT CrB, RW CrB, TW CrB, AR CrB, SY Cyg, VW Cyg, WZ Cyg, CG Cyg, CV Cyg, DO Cyg, DP Cyg, EM Cyg, GG Cyg, GV Cyg, KR Cyg, MR Cyg, PQ Cyg, V370 Cyg, V401 Cyg, V442 Cyg, V443 Cyg, V447 Cyg, V453 Cyg, V454 Cyg, V463 Cyg, V466 Cyg, V469 Cyg, V484 Cyg, V488 Cyg, V494 Cyg, V496 Cyg, V502 Cyg, V505 Cyg, V512 Cyg, V541 Cyg, V616 Cyg, V635 Cyg, V675 Cyg, V680 Cyg, V700 Cyg, V711 Cyg, V725 Cyg, V728 Cyg, V753 Cyg, V789 Cyg, V796 Cyg, V859 Cyg, V869 Cyg, V873 Cyg, V877 Cyg, V889 Cyg, V891 Cyg, V907 Cyg, V931 Cyg, V934 Cyg, V941 Cyg, V947 Cyg, V959 Cyg, V961 Cyg, V962 Cyg, V963 Cyg, V965 Cyg, V974 Cyg, V975 Cyg, V1004 Cyg, V1011 Cyg, V1013 Cyg, V1034 Cyg, V1061 Cyg, V1083 Cyg, V1141 Cyg, V1147 Cyg, V1171 Cyg, V1256 Cyg, V1305 Cyg, V1401 Cyg, V1411 Cyg, V1414 Cyg, V1417 Cyg, V1437 Cyg, V1481 Cyg, V1763 Cyg, V1815 Cyg, V1823 Cyg, V1908 Cyg, V1918 Cyg, V2080 Cyg, V2181 Cyg, V2240 Cyg, V2261 Cyg, V2263 Cyg, V2277 Cyg, V2364 Cyg, V2456 Cyg, Z Dra, RR Dra, TZ Dra, WX Dra, AU Dra, AX Dra, MU Dra, MY Dra, AV Gem, FT Gem, GQ Gem, GZ Gem, AK Her, V342 Her, V490 Her, V857 Her, V1054 Her, V1055 Her, V1062 Her, V1066 Her, V1073 Her, V1092 Her, V1100 Her, V1101 Her, V1103 Her, WY Hya, V470 Hya, SW Lac, UY Lac, VV Lac, VY Lac, ZZ Lac, AG Lac, AU Lac, AW Lac, BB Lac, CG Lac, CN Lac, CO Lac, CY Lac, DG Lac, EK Lac, EM Lac, EO Lac, EP Lac, EQ Lac, ER Lac, ES Lac, EU Lac, EX Lac, EY Lac, FI Lac, FL Lac, GH Lac, GX Lac, HR Lac, IM Lac, IP Lac, IU Lac, IZ Lac, KU Lac, LY Lac, LZ Lac, MZ Lac, NR Lac, OO Lac, OS Lac, OX Lac, PP Lac, V339 Lac, V342 Lac, V344 Lac, V345 Lac, V364 Lac, V441 Lac, V459 Lac, RW Leo, WZ Leo, XX LMi, XY LMi, SW Lyn, SX Lyn, UU Lyn, TZ Lyr, ET Lyr, IP Lyr, NY Lyr, PV Lyr, QT Lyr, QU Lyr, V417 Lyr, V563 Lyr, V580 Lyr, GU Mon, IX Mon, V453 Mon, V515 Mon, V527 Mon, V530 Mon, V634 Mon, V456 Oph, V913 Oph, V2388 Oph, V2640 Oph, FT Ori, V1633 Ori, V1865 Ori, U Peg, BB Peg, BK Peg, BN Peg, BY Peg, BZ Peg, CE Peg, DI Peg, DM Peg, DP Peg, DV Peg, EE Peg, ER Peg, GH Peg, GP Peg, HI Peg, IP Peg, KV Peg, KW Peg, V357 Peg, V404 Peg, V411 Peg, ST Per, BO Per, BR Per, BY Per, DK Per, IQ Per, IT Per, IU Per, KL Per, KN Per, KQ Per, KW Per, PS Per, QT Per, V366 Per, V432 Per, V449 Per, V450 Per, V680 Per, SU Psc, UV Psc, AQ Psc, DZ Psc, U Sge, V Sge, TU Sge, CU Sge, CW Sge, DK Sge, DL Sge, FF Sge, FH Sge, V384 Ser, RW Tau, TY Tau, AP Tau, CU Tau, GR Tau, V1022 Tau, V1121 Tau, V Tri, RV Tri, RW Tri, ST Tri, VZ Tri, WW Tri, BU Tri, BV Tri, W UMa, NT UMa, W UMi, AG Vir, LU Vir, AW Vul, AX Vul, AZ Vul, BG Vul, BK Vul, BO Vul, BQ Vul, BS Vul, CD Vul, EO Vul, EQ Vul, EU Vul, EV Vul, EY Vul, FF Vul, FM Vul, FR Vul, GI Vul, GP Vul, GU Vul, HS Vul, KN Vul, NO Vul, V467 Vul, GSC 00871-00486, GSC 01100-01182, GSC 01127-01808, GSC 01383-00181, GSC 01383-01023, GSC 01643-01880, GSC 02038-00293, GSC 02040-00212, GSC 02140-01485, GSC 02157-00014, GSC 02161-01310, GSC 02192-01283, GSC 02484-00139, GSC 02537-00520, GSC 02569-00553, GSC 02610-00088, GSC 02656-04286, GSC 02660-04155, GSC 02673-02495, GSC 02677-00988, GSC 03547-02135, GSC 03575-06239, GSC 03612-00014, GSC 03618-00448, GSC 03619-00047, GSC 03619-00715, GSC 03679-02129, GSC 03688-01184, GSC 03949-01072, GSC 04009-00670, GSC 04285-00122, GSC 04339-01166, GSC 04827-02862, GSC 04827-02889, GSC 04965-00293, GSC 06281-00246, NSV 2146, NSV 24737, NSV 5501, NSVS 10105062, NSVS 10123419, NSVS 103152, NSVS 1701206, NSVS 1810013, NSVS 1857770, NSVS 4307145, NSVS 4319623, NSVS 5811775, USNO-A2 1200-07442402, USNO-A2 1200-11760524, USNO-A2 1200-12680286, USNO-A2 1275-16067829, USNO-A2 1500-01208912, USNO-B1 1092-0472807, USNO-

B1 1108-0490540, USNO-B1 1135-0102876, USNO-B1 1166-0562907, USNO-B1 1316-0383362, USNO-B1 1332-0399848, USNO-B1 1398-0469064, USNO-B1 1400-0455467, USNO-B1 1416-0454010, USNO-B1 1440-0411990, USNO-B1 1441-0441871, USNO-B1 1492-0009970, USNO-B1 1500-0005759, USNO-B1 1503-0282065, USNO-B1 1505-0372164, USNO-B1 1508-0029126, USNO-B1 1514-0040346.

Kalomeni, B. 2012, MNRAS 422, 1601. (1ao, 5b) Long-term monitoring of five magnetic CVs (polars): AM Her, DP Leo, V1309 Ori, AN UMa, AR UMa reveals short- and long-term period variations originating from mass transfer modulations.

Kilic, M., et al. (7 authors) 2012, ApJ 751, 141. (2aodx) Discovery of new WD binary systems likely to merge via gravitational radiation.

Kobulnicky, H.A. et al. (9 authors) 2012, ApJ 756, 50. (1i, 2o, 5d) Discovery of 5 new x-ray binaries MT 070, MT 103 (SB2), MT 174, MT 267, MT 734 (VI Cyg no. 11) in Cygnus OB association.

Liakos, A. et al. (4 authors) 2012, MNRAS 422, 1250. (1ao, 2ado, 5d) Survey of EBs with pulsating δ Scuti components; updated catalogue of 74 systems; detailed LC analysis for 10 systems: CZ Aqr, QY Aql, TY Cap, WY Cet, UW Cyg, HL Dra, HZ Dra, AU Lac, CL Lyn, IO UMa.

Liu, C. et al. (6 authors) 2012, MNRAS 424, 1841. (1ao, 5ceg, 6ab, 7cd) Catalogue of 523 WD-MS binaries identified within SDSS DR7 and UKIDSS DR5.

Lü, C. et al. (6 authors) 2012, MNRAS 424, 2265. (1x, 8ac) Population synthesis for the symbiotic x-ray binaries: GX 1+4, 4U 1954+31, 4U 1700+24, Sct X-1, IGR J16194?2810, IRXS J180431.1−273932, IGR J16358−4724, IGR J16393−4643, 2XMM J174016.0−290337, CGCS 5926.

Matijevič, G. et al. (6 authors) 2012, AJ 143, 123. (7cd) Automated classificatioin of 2165 Kepler EBs.

Maxwell, J.E. et al. (8 authors) 2012, ApJ 756, 147. (1x, 2x) 61 x-ray sources and blue stragglers in globular cluster NGC 6388.

Morales-Calderon, M. et al. (20 authors) 2012, ApJ 753, 149. (1ao, 2o, 5abcde) 6 pre-MS EBs in the Orion Nebula cluster.

Nefs, S.V. et al. (19 authors) 2012, MNRAS 425, 950. (1aio, 2bc, 5bcdeg, 6b) Discovery of four ultra- short-period eclipsing M-dwarf binaries in the WFCAM survey: 19b-3-06008, 07g-3-05744, 17d-3-02440, 19h-3-14922.

Nelson R.H. 2012, IBVS No. 6018 (5a) CCD Minima for Selected EBs in 2011: QX And, V404 And, V463 And, GSC 0473-3466, GSC 1045-1028, RX Ari, BN Ari, HL Aur, V567 Aur, GSC 2374-0055, GSC 2429-1010, GSC 2933-1972, SY Boo, TZ Boo, DN Boo, LR Cam, NQ Cam, NR Cam, GSC 4327-2766, GSC 4550-1548, BS Cas, CW Cas, V520 Cas, V537 Cas, V1060 Cas, V736 Cep, GSC 4267-0682, GSC 4481-0080, GSC 4484-1192, BB CMi, HN Cnc, IU Cnc, LP Com, UX CVn, BI CVn, DE CVn, DL CVn, DQ CVn, DX CVn, GSC 2544-1007, GSC 2704-1999, GSC 2711-0645, GSC 3581-1856, V2477 Cyg, FU Dra, GSC 4401-1126, GSC 4420-1984, GSC 4421-1217, GSC 4421-1708, GSC 4439-1124, GSC 4449-0995, QW Gem, V0367 Gem, GSC 1335-1812, GSC 1338-1984, GSC 1883-1299, GSC 1913-1513, V728 Her, V829 Her, V1045 Her, V1071 Her, V1094 Her, V1100 Her, V1101 Her, GSC 2056-0117, GSC 3532-0553, PP Lac, CE Leo, XX LMi, GSC 2515-0839, UU Lyn, GSC 0140-0964, GSC 0170-1717, GSC 1322-0294, GSC 1721-1141, V578 Per, GSC 2385-0341, GSC 0613-1099, V0366 Sge, CR Tau, EQ Tau, V781 Tau, GSC 1305-1430, TY UMa, HH UMa, KM UMa, MT UMa, GSC 4375-0620, VY UMi, GSC 4408-0436, GSC 2166-0041.

Nicholls, C.P., Wood, P.R. 2012, MNRAS 421, 2616. (1ao*, 2a, 5cde) LC and RV analysis of 7 eccentric red giant binaries in the LMC: OGLE052013.51−692253.2, OGLE052438.40−700028.8, OGLE052812.41−693417.9, OGLE052850.12−701211.2, OGLE053033.55−701742.0, OGLE053124.49 −701927.4, OGLE053159.96−693439.5.

North, P. et al. (4 authors) 2012, A&A 540, 1. VLT multi-object spectroscopy of 33 EBs in the SMC. New distance and depth of the SMC, and a record-breaking apsidal motion (Corrigendum). Erratum of: A&A 520, A74 (2010)

Pirkhedri, A. et al. (4 authors) 2012, Astron. Nachr. 333, 237. (2ao*, 5d) Artificial neural network (ANN) method used to derive orbital parameters of four SB2 systems: ER Vul, HD 27149, HD 143511, HD 152218.

Shafter, A.W. et al. (4 authors) 2012, ApJ 752, 156. (2o) Nature of spectroscopic classes of novae in M33.

Skopal, A. et al. (7 authors) 2012, Astron. Nachr. 333, 242. (1abo, 5cj) Multicolour photometry of classical symbiotic stars; long-term LCs presented: Z And, EG And, TX CVn, BF Cyg, CH Cyg, CI Cyg, V1329 Cyg, AG Dra, AG Peg, AX Per, Draco C1.

Tappert, C. et al. (5 authors) 2012, MNRAS 423, 2476. (1ao, 2bc, 5cdeg) Spectroscopic observations of 10 nova candidates: MT Cen, V812 Cen, V655 CrA, IL Nor, V2109 Oph, V909 Sgr, V2572 Sgr, V728 Sco.

Terrell, D., Gross, J., Cooney, W.R. 2012, AJ 143, 99. (1ao, 9) BVRI survey of 606 W UMa systems includes study of interstellar reddening.

Thompson, S.E. et al. (13 authors) 2012, ApJ 753, 86. (1bo*, 5c) 17 eccentric binaries with tidal distortions discovered from Kepler.

Thorstensen, J.R., Skinner, J.N. 2012, AJ 144, 81. (2aod, 5d) Spectroscopy of 36 CV candidates from Catalina real-time survery; orbital elements for eight: CSS 0501+20, CSS 0519+15, CSS 0647+49, CSS 0814−00, CSS 0902−11, CSS 0912−03, CSS 1706+14, CSS 1729+22.

Woudt, P.A. et al. (6 authors) 2012, MNRAS 421, 2414. (1ao) Orbital periods and orbital modulations of 15 faint CVs, 2 new polars, 2 dwarf novae and 1 new nova-like system: SDSS 0805+07 (CV), SDSS 0904+03 (CV), SDSS 0919+08 (CV), SDSS 1519+06 (CV), SSS 0221−26 (DN), CSS 0332+02 (DN), CSS 0334−07 (DN), CSS 0345−01 (DN), SSS 0617−36 (CV), CSS 0810+00 (polar), CSS 0826−00 (DN, ecl.), CSS 1028−08 (DN), CSS 1300+11 (DN), CSS 1321+01 (= HV Vir, DN), CSS 1404−10 (DN, ecl.), CSS 1443−17 (DN), CSS 1503−22 (polar), CSS 1528+03 (DN), CSS 1626−12 (DN, ecl.), CSS 2325−08 (= EG Aqr, DN).

Yuasa, T., Makishima, K., Nakazawa, K. 2012, ApJ 753, 129. (1x, 2x) WD spectra obtained from galactic x-ray emission.

Proceedings of Conferences, Symposia, and Monographs

From Interacting Binaries to Exoplanets: Essential Modeling Tools, IAU Symposium 282, eds. *M.T. Richards, I. Hubeny*, 2012, Cambridge University Press.

IAU Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 95, December 2012

Editor-in-Chief: C.D. Scarfe

Department of Physics and Astronomy
University of Victoria
Victoria, B.C., V8W 3P6, Canada

Phone: +01 250 721-6521
Fax: +01 250 721-7715
scarfe@uvic.ca