

International Astronomical Union
Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 87

Editor-in-Chief:

C.D. Scarfe

Editors:

H. Drechsel
D.R. Faulkner
L.V. Glazunova
E. Lapasset
C. Maceroni
Y. Nakamura
P.G. Niarchos
R.G. Samec
W. Van Hamme
M. Wolf

Material published by September 15, 2008

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 *Leibowitz, E.M., Formiggini, L.* 2008, MNRAS 385, 445. (1d, 5cg) Long-term visual LC of symbiotic system suggests multiple periodicities; spot activity and dynamo cycle discussed.
Tomov, N.A., Tomova, M.T., Bisikalo, D.V. 2008, MNRAS 389, 829. (1ao*, 2bc, 5cdghij, 8ad) A model with an accretion disc.
- AB And *Hasanzadeh, A., Jassur, D.M.Z., Kermani, M.H.* 2008, Ap&SS 317, 71. (1ao, 5bc)
- V348 And *Zasche, P., Svoboda, P.* 2008, IBVS 5827. (1a, 5b, 6d) Unconfirmed eclipsing nature.
- V376 And *Djurašević, G. et al.* (5 authors) 2008, Rev. Mex. Astron. Astrofis. 44, 249. (1bo, 1bo*, 5cg)
- V466 And 2008, IAU Circ. 8971 (1a, 2co, 4a, 5g, 6b) Discovery of dwarf nova.
2008, IAU Circ. 8973 (1a) Magnitudes of new nova.
- R Aqr *Kamohara, R. et al.* (31 authors) 2008, PASJ 60, 1023. (4r) VERA observations of SiO masers.
- UU Aqr *Baptista, R., Bortoletto, A.* 2008, ApJ 676, 1240. (2ao, 5i) Two-armed pattern in flickering maps.
- AE Aqr *Echevarria, J. et al.* (5 authors) 2008, MNRAS 387, 1563. (2abc, 5abdek) High-dispersion spectroscopic study.
- EE Aqr *Ghoreyshi, S.M.R., Ghanbari, J., Salehi, F.* 2008, Ap&SS 314, 331. (1ao*, 2a*, 5e)
- EG Aqr *Imada, A. et al.* (35 authors) 2008, PASJ 60, 1151. (1ao) Detection of superhumps in an outburst.
- KO Aql *Mennekens, N. et al.* (4 authors) 2008, A&A 486, 919. (8ab) Origin and evolution.
- V802 Aql *Yang, Y.-G. et al.* (5 authors) 2008, PASJ 60, 807. (1ao, 5abce) Light-curve analysis and suggested magnetic activity.
- V1343 Aql (SS 433) *Blundell, K.M., Bowler, M.G., Schmidtbreick, L.* 2008, ApJ 678, L47. (2ado, 5e) Observation of ring material favors a large mass.
Davydov, V.V., Esipov, V.F., Cherepashchuk, A.M. 2008, AZh 85, 545. (2a, 5d) Spectroscopic monitoring in search of long-term variations of kinematic model parameters.
Hillwig, T.C., Gies, D.R. 2008, ApJ 676, L37. (2ado, 5e) Revised mass for mass donor and compact object.
Miller-Jones, J.C.A. et al. (6 authors) 2008, ApJ 682, 1141. (1rx, 2rx) Discrete ejecta in jets.
Reynoso, M.M., Romero, G.E., Christiansen, H.R. 2008, MNRAS 387, 1745. (1g, 5ce, 8a) Study of spectral energy distribution of γ -rays and neutrinos.
Roberts, D.H. et al. (5 authors) 2008, ApJ 676, 584. (4br) Study of structure, linear polarization, and Faraday rotation.
Yamamoto, H. et al. (11 authors) 2008, PASJ 60, 715. (4r) Molecular clouds and a relativistic jet from SS433.
- V1405 Aql (XB1916–053) *Hu, C.-P., Chou, Y., Chung, Y.-Y.* 2008, ApJ 680, 1405 (1x) Parameterization of x-ray dips in LMXRB.
- V1429 Aql (MWC 314) *Muratorio, G., Rossi, C., Friedjung, M.* 2008, A&A 487, 637. (2c, 6b) New massive binary.

V1487 Aql (GRS 1915+105) BF Ara	<i>Eikenberry, S.S. et al.</i> (6 authors) 2008, ApJ 678, 369. (2di) Suggests new type of IR variability from jet outflow.
V821 Ara (GX 339-4)	<i>Olech, A., Rutkowski, A., Schwarzenberg-Czerny, A.</i> 2007, Acta Astronomica 57, 331. (1a, 5abc) Three periodicities. <i>Dunn, R.J.H. et al.</i> (5 authors) 2008, MNRAS 387, 545. (1x*, 5cgi) Investigation into the x-ray emission. <i>Miller, J.M. et al.</i> (9 authors) 2008, ApJ 679, L113. (2dx) Measurement of BH spin. <i>Miyakawa, T. et al.</i> (7 authors) 2008, PASJ 60, 637. (1x, 2x, 5i) Radiation mechanisms in the hard state. <i>Muñoz-Darias, T., Casares, J., Martínez-Pais, I.G.</i> 2008, MNRAS 385, 2205. (8ac) Component masses and evolutionary state of BH LMXB.
UX Ari	<i>Rosario, M.J., Mekkaden, M.V., Raveendran, A.V.</i> 2008, IBVS 5836. (1a, 5c) Longitudinal asymmetry in spot activity.
α Aur	<i>Branham, R.L.</i> 2008, AJ 136, 963. (2ao*, 4co*, 5de) New three-dimensional orbit.
V390 Aur	<i>Konstantinova-Antova, R. et al.</i> (7 authors) 2008, A&A 480, 475. (3b, 6b) Secondary component of visual binary ADS 3812.
V405 Aur	<i>Pirola, T. et al.</i> (4 authors) 2008, ApJ 684, 558. (1ao, 3ao) Complete phase coverage in UBVR polarimetry.
TU Boo	<i>Coughlin, J.L., Dale, H.A., Williamon, R.A.</i> 2008, AJ 136, 1089. (1abo, 5abcgi)
AD Boo	<i>Clausen, J.V. et al.</i> (8 authors) 2008, A&A 487, 1095. (1ao, 2ao, 5e) Absolute elements.
SZ Cam	<i>Gorda, S.Yu.</i> 2008, LeAZh 34, 351. (2a, 5de) New spectrophotometry (the problem of the third component).
BL Cam	<i>Fu, J.-N. et al.</i> (6 authors) 2008, Chinese J. Astron. Ap. 8, 237. (1ao, 5ab) An interpretation of period variations as the light-time effect in a binary system.
MU Cam	<i>Staude, A. et al.</i> (6 authors) 2008, A&A 486, 899. (1x, 1ao, 5i) Changing accretion state.
HM Cnc (RX J0806.3+1527)	<i>Strohmer, T.E.</i> 2008, ApJ 679, L109. (2dx) High resolution x-ray spectroscopy.
II CMa	<i>Liu, L. et al.</i> (8 authors) 2008, PASJ 60, 565. (1ao, 5abc) LC analysis.
η Car	2008, IAU Circ. 8961 (2c, 5g) Prediction of next spectroscopic event. 2008, IAU Circ. 8967 (2c, 5g) Evidences for wind-wind collision shock. <i>Humphreys, R.M., Davidson, K., Koppelman, M.</i> 2008, AJ 135, 1249. (2x, 5j) History of wind phenomena from digitized early objective prism spectra. <i>Smith, N.</i> 2008, Nature 455, 201. (2coi) A blast wave from the 1843 eruption.
θ Car	<i>Hubrig, S. et al.</i> (5 authors) 2008, A&A 488, 287. (2b, 3b, 5dh). Binary nature of peculiar hot star.
DW Car	<i>Harmanec, P.</i> 2008, A&A 480, 213. (2d*, 5g) No Be component in EB.
OY Car	<i>Smak, J.</i> 2008, Acta Astronomica 58, 65. (1a, 5i) Superoutbursts and their interpretation.
QU Car	<i>Kafka, S., Anderson, R., Honeycutt, R.K.</i> 2008, AJ 135, 1649. (2ado, 5j) Possible SN Ia progenitor.

Linnell, A.P. et al. (6 authors) 2008, ApJ 676, 1226. (8a) Synthetic spectrum constraints on a model.

RZ Cas *Lehmann, H., Mkrtichian, D.E.* 2008, A&A 480, 247. (2ao, 5d)
Mennekens, N. et al. (4 authors) 2008, A&A 486, 919. (8ab) Origin and evolution.

BS Cas *Yang, Y.-G., Wei, J.-Y., He, J.-J.* 2008, AJ 136, 594. (1ao, 5abc)

HT Cas *Borges, B.W. et al.* (4 authors) 2008, A&A 480, 481. (5ab) Cyclical period changes in CV.

V615 Cas
(LS I +61°303) *Acciari, V.A. et al.* (78 authors) 2008, ApJ 679, 1427. (1bg) Strongly variable γ -ray flux.
Albert, J. et al. (142 authors) 2008, ApJ 684, 1351. (1rxg, 2rxg) Multi-wavelength observations.
Cerutti, B., Dubus, G., Henri, G. 2008, A&A 488, 37. (2g, 8d) Study of pulsar wind in γ -ray binary.

V723 Cas *Ness, J.-U. et al.* (8 authors) 2008, AJ 135, 1328. (1x, 2x, 5g) Continued x-ray emission.

V772 Cas *Gandet, T.L.* 2008, IBVS 5848. (1a, 5b) Intrinsically variable BpSi star in EB.

V716 Cen *Bakiş, H. et al.* (4 authors) 2008, MNRAS 385, 381. (2ao, 5cdek) Accurate absolute parameters for early-type semi-detached EB.

V841 Cen *Innis, J.L., Coates, D.W.* 2008, IBVS 5838. (1a, 5b) Large long-lived spot wave.

VV Cep *Bauer, W.H., Gull, T.R., Bennett, P.D.* 2008, AJ 136, 1312. (2du, 5uj) Emission detected from extended circumbinary region.

EQ Cet *Campbell, R.K. et al.* (5 authors) 2008, ApJ 678, 1304. (2di) Cyclotron modelling.

Z Cha *Smak, J.* 2008, Acta Astronomica 58, 55. (1a) Hot spot during superoutburst.

RZ Com *He, J.-J., Qian, S.-B.* 2008, Chinese J. Astron. Ap. 8, 465. (1ao, 5bce) Photometric analysis.

T CrB *Wallerstein, G. et al.* (4 authors) 2008, PASP 120, 492. (2cd, 5gh) Metallicity and Li abundance.

DZ Cru
(Nova 2003) *Rushton, M.T. et al.* (5 authors) 2008, MNRAS 386, 289. (2bci) Near-IR emission lines observed 1.5 years after outburst hint at classical nova event.

SS Cyg *Bisikalo, D.V. et al.* (5 authors) 2008, AZh 85, 356. (8b) Matter-flow structure in quiescent state from comparisons of observational and synthesized Doppler tomograms.
Kononov, D.A. et al. (8 authors) 2008, AZh 85, 927. (2d, 5j) Spectroscopy and Doppler mapping during outburst.
Körding, M. et al. (7 authors) 2008, Science 320, 1318. (4cr) Transient radio jet in eruptive dwarf nova in outburst.
Okada, S., Nakamura, R., Ishida, M. 2008, ApJ 680, 695 (2cd) Line emitting plasma associated with Keplerian disk.

BF Cyg *Tatarnikova, A.A., Kolotilov, E.A., Tatarnikov, A.M.* 2008, AZh 85, 151. (2d) A pre-outburst of classical symbiotic star in 1987-1989.

CH Cyg *Bogdanov, M.B., Taranova, O.G.* 2008, AZh 85, 454. (1b, 5j) Variations of the parameters of the dust envelope.
Taranova, O.G., Shenavrin, V.I. 2007, LeAZh 33, 598. (1bi, 5j) Unusual infrared fading in 2006.

V404 Cyg *Miller-Jones, J.C.A. et al.* (8 authors) 2008, MNRAS 388, 1751. (1r, 4c, 5ceg) Milliarsecond high-sensitivity-array imaging in quiescence.
Pszota, G. et al. (4 authors) 2008, MNRAS 389, 423. (1x, 5cgij, 8ad) Origin of x-ray emission in quiescence.

V965 Cyg *Samec, R.G. et al.* (5 authors) IBVS 5845. (1a, 5bc, 6d) Fill-out EB with strong magnetic activity.

V1016 Cyg *Arhipova, V.P. et al.* (4 authors) 2008, LeAZh 34, 523. (1b, 2c) Photometric and spectroscopic evolution of symbiotic nova after outburst.

V1341 Cyg (Cyg X-2) *Lei, Y.J. et al.* (9 authors) 2008, ApJ 677, 461. (2dx) Evolution of cross-correlation and time lag.

V1347 Cyg *Iorio, L.* 2008, Ap&SS 315, 335. (2a, 5e)

V1357 Cyg (Cyg X-1) *Gies, D.R. et al.* (13 authors) 2008, ApJ 678, 1237. (2dou) Stellar wind variations during high and low x-ray states.
Karitskaya, E.A. et al. (8 authors) 2008, AZh 85, 409. (2dx) Spectroscopic monitoring in 2002-2004.
Makishima, K. et al. (12 authors) 2008, PASJ 60, 585. (1x, 2x, 5i) X-ray observations in the low/hard state.
Misra, R., Zdziarski, A. 2008, MNRAS 387, 915. (1x*, 5egi, 8a) Model of accretion disc.
Rico, J. 2008, ApJ 683, L55. (1x*, 2x*) Variable superorbital modulations.
Titarchuk, L., Shaposhnikov, N. 2008, ApJ 678, 1230. (5i) Study of variability power decay.
Vrtilek, S.D. et al. (5 authors) 2008, ApJ 678, 1248. (2du, 5j) Observation of photoionized wind.
Yan, J., Lù, Q., Hadrava, P. 2008, AJ 136, 631. (2d, 5ij) Analysis of H α profile gives information on wind.

V1521 Cyg (Cyg X-3) *Szostek, A., Zdziarski, A.A.* 2008, MNRAS 386, 593. (2x, 5ij) BeppoSAX x-ray spectra suggest tenuous hot and dense cool stellar wind constituents; presence of BH component consistent with model.
Szostek, A., Zdziarski, A., McCollough, M. L. 2008, MNRAS 388, 1001. (1rx, 5cgi, 8a) Classification of the x-ray and radio states of the binary.
Tsuboi, M. et al. (25 authors) 2008, PASJ 60, 465. (1r) Radio outbursts.

V1727 Cyg (4U 2129+47) *Bothwell, M.S. et al.* (4 authors) 2008, A&A 485, 773. (2ao) LMXB possibly heirarchical triple.

V2246 Cyg (EXO 2030+375) *Wilson, C.A., Finger, M.H., Camero-Arranz, A.* 2008, ApJ 678, 1263. (2dx) Observed during giant outburst.

V2467 Cyg 2008, IAU Circ. 8955 (2ci, 5g) Thermal continuum free of dust spectrum.

V2468 Cyg 2008, IAU Circ. 8936 (2ci, 5g) Very rich emission-line spectrum.

V2491 Cyg 2008, IAU Circ. 8934 (1cd, 4a, 6b) Designation and magnitudes of new nova.
2008, IAU Circ. 8935 (1a, 2ci, 5g) Rare He-N nova.
2008, IAU Circ. 8938 (2cdi, 5g) Enhanced emission lines.

AG Dra *González-Riestra, R. et al.* (8 authors) 2008, A&A 481, 725. (2dux, 5g)

DO Dra *Andronov, I.L. et al.* (5 authors) 2008, A&A 486, 855. (1ao, 5i) Multiple timescales in CV.

EX Dra *Halevin, A.V., Henden, A.A.* 2008, IBVS 5833. (1a, 5b) Switching of accretion state in DN.

MQ Dra	<i>Szkody, P. et al.</i> (8 authors) 2008, ApJ 683, 967. (1iou, 2iou, 5b) UV excesses at low accretion rates.
S Equ	<i>Mennekens, N. et al.</i> (4 authors) 2008, A&A 486, 919. (8ab) Origin and evolution.
GX Gem	<i>Lacy, C.H.S., Torres, G., Claret, A.</i> 2008, AJ 135, 1757. (1ao, 2ao, 5bcde) Fit to published models suggests advanced age.
OW Gem	<i>Galan, C. et al.</i> (8 authors) 2008, Observatory 128, 298. (1bo, 2ao, 5abcde) Long-period giant EB.
AM Her	<i>Beuermann, K., El Kholly, E., Reinsch, K.</i> 2008, A&A 481, 771. (2dx, 5i) Soft x-ray spectral variability. <i>Wu, K., Kiss, L.L.</i> 2008, A&A 481, 433. (1b*c*d*) High and low states of CV.
HZ Her (Her X-1)	<i>Abubekkerov, M.K. et al.</i> (4 authors) 2008, AZh 85, 427. (5de) Mass of compact object. <i>Enoto, T. et al.</i> (13 authors) 2008, PASJ, 60, S57. (1x, 2x) A pulsar with established second-harmonic resonance. <i>Klochkov, D. et al.</i> (9 authors) 2008, A&A 482, 907. (2dx, 5i) LMXB with accreting x-ray pulsar.
VZ Hya	<i>Clausen, J.V. et al.</i> (8 authors) 2008, A&A 487, 1095. (1ao, 2ao, 5e) Absolute elements.
α Leo	<i>Gies, D.R. et al.</i> (11 authors) 2008, ApJ 682, L117. (2ao, 5bd) Regulus is a SB1 with a low mass (WD?) secondary as source of high spin.
Y Leo	<i>Turcu, V., Pop, A., Moldovan, D.</i> 2008, IBVS 5826. (1a, 5c) Short-periodic pulsating component in EB.
RZ LMi	<i>Olech, A. et al.</i> (6 authors) 2008, Acta Astronomica 58, 131. (1a, 5b) The most active SU UMa Star.
β Lyr	<i>Zhao, M. et al.</i> (15 authors) 2008, ApJ 684, L95. (4c, 5e) First resolved images and astrometric solution of an interacting binary.
V477 Lyr	<i>Shimansky, V.V. et al.</i> (7 authors) 2008, LeAZh 34, 465. (1aoi, 5cde) Analysis of fundamental parameters.
TU Mus (HD 100213)	<i>Penny, L.R., Ouzts, C., Gies, D.R.</i> 2008, ApJ 681, 554. (1ao, 2ao*, 5cd) LC/RV solution and tomography of massive close binary.
V381 Nor (XTE J1550–564)	<i>Muñoz-Darias, T., Casares, J., Martínez-Pais, I.G.</i> 2008, MNRAS 385, 2205. (8ac) Component masses and evolutionary state of BH LMXB. <i>Pszota, G. et al.</i> (4 authors) 2008, MNRAS 389, 423. (1x, 5cgij, 8ad) Origin of x-ray emission in quiescence.
RS Oph	<i>Barry, R.K. et al.</i> (41 authors) 2008, ApJ 677, 1253. (4ci) Angular size of mid-IR continuum emitting material. <i>Hernanz, M., José, J.</i> 2008, New Astron. Rev. 52, 386. (8c) Possible SN Ia progenitor. <i>Pavlenko, Y.V. et al.</i> (9 authors) 2008, A&A 485, 541. (2ao, 8ad) Dust veiling in nova. <i>Walder, R., Folini, D., Shore, S.N.</i> 2008, A&A 484, L9. (5i) 3D simulations. <i>Wallerstein, G. et al.</i> (4 authors) 2008, PASP 120, 492. (2cd, 5gh) Metallicity and Li abundance.
WZ Oph	<i>Clausen, J.V. et al.</i> (8 authors) 2008, A&A 487, 1095. (1ao, 2ao, 5e) Absolute elements.
V2487 Oph	2008, IAU Circ. 8951 (1b, 6b) Discovery of recurrent nova on old plate.

V2615 Oph *Munari, U. et al. (7 authors) 2008, MNRAS 387, 344. (1ao, 2abc, 5cdeg) Photometric and spectroscopic study.*

V2670 Oph 2008, IAU Circ. 8947 (1ad, 4a, 6b) Position and magnitudes of new nova.
2008, IAU Circ. 8948 (1ad, 2co, 4a) Spectrum and magnitudes.
2008, IAU Circ. 8949 Designation.
2008, IAU Circ. 8956 (2ci, 5g) Low excitation spectrum.

V2671 Oph 2008, IAU Circ. 8950 (1a, 4a, 6b) Position and magnitudes of new nova.
2008, IAU Circ. 8951 (2co) Confirmed nova and designation.
2008, IAU Circ. 8957 (2ci, 5g) Low excitation spectrum.

V1055 Ori (4U 0614+091) *Shahbaz, T. et al. (5 authors) 2008, PASP 120, 848. (1ao) Periodicities in light of ultra-compact LMXB.*

V1647 Ori 2008, IAU Circ. 8968 (1a, 4a) Apparent brightening.
2008, IAU Circ. 8969 (2cd, 5g) Strong outburst.

V432 Per *Lee, J.W. et al. (5 authors) 2008, AJ 135, 1523. (1ao, 5abcegi)*

V505 Per *Tomasella, L. et al. (7 authors) 2008, A&A 480, 465. (1ao, 2aco, 5cdeh)*

V570 Per *Tomasella, L. et al. (7 authors) 2008, A&A 483, 263. (1ao, 2aco, 5cdeh)*

RR Pic *Pec'ón, Y., Balman, Ş. 2008, MNRAS 388, 921. (2bcx, 5ceghi) A Chandra x-ray view.*

SZ Psc *Zhang, L.-Y., Gu, S.-H. 2008, A&A 487, 709. (2c, 5g) Chromospheric activity study.*

BE Psc *Strassmeier, K.G. et al. (4 authors) 2008, A&A 485, 233. (1ao, 2ao, 5ek) Study of chromospheric activity.*

VV Pup *Campbell, R.K. et al. (5 authors) 2008, ApJ 678, 1304. (2dio) Cyclotron modelling.*

V445 Pup *Iijima, T., Nakanishi, H. 2008, A&A 482, 865. (2co) Helium nova.*
Kato, M. et al. (4 authors) 2008, ApJ 684, 1366. (1aoi, 5ei) Modelling nova light curve of He WD.

V598 Pup (XMMSL1 J070542.7–381442) *Read, A.M. et al. (9 authors) 2008, A&A 482, L1. (2dx, 6b) New nova.*

V4580 Sgr (SAX J1808.4–3658) *Campana, S., Stella, L., Kenna, J.A. 2008, ApJ 684, L99. (1x, 2x) Monitoring binary from decay to quiescence from 2005 outburst.*
Jain, C., Dutta, A., Paul, B. 2008, J. Ap. & Astron. 28, 197. (1x, 5b) Pulse timing analysis.

V4633 Sgr *Lipkin, Y.M., Leibowitz, E.M. 2008, MNRAS 387, 289. (1ao, 5abc) Time-resolved photometry - an asynchronous polar classical nova.*

V5579 Sgr 2008, IAU Circ. 8937 (1acd, 2co, 4a, 6b) Balmer lines and magnitudes of new nova.
2008, IAU Circ. 8940 (1cd) Designation and magnitudes.
2008, IAU Circ. 8948 (2ci, 5g) Early spectral stage.
2008, IAU Circ. 8952 (2ci, 5g) Dramatic spectral changes.

V455 Sco *Fekel, F.C. et al. (5 authors) 2008, AJ 136, 146. (2ai, 3b*, 5de) Combined spectroscopic and polarimetric data give masses.*

V1007 Sco (HD 152248) *Mayer, P. et al. (7 authors) 2008, A&A 481, 183. (1ao, 2ao, 5cde) Notes on several other binaries in the NGC 6231 cluster.*

V1033 Sco (GRO J1655–40) *Joinet, A., Kalemci, E., Senziani, F. 2008, ApJ 679, 655. (2dx) Measured electron temperature of 30-40 keV during 2005 outburst.*
Martin, R.G., Tout, C.A., Pringle, J.E. 2008, MNRAS 387, 188. (5ij, 8acd) Alignment time-scale and evolutionary model.

	<i>Miller, J.M. et al.</i> (6 authors) 2008, ApJ 680, 1359. (2x, 5h) Accretion disk wind modelling.
	<i>Pszota, G. et al.</i> (4 authors) 2008, MNRAS 389, 423. (1x, 5cgij, 8ad) Origin of x-ray emission in quiescence.
	<i>Takahashi, H. et al.</i> (26 authors) 2008, PASJ 60, S69. (2x) X-ray spectra in a typical low/hard state.
V1309 Sco	2008, IAU Circ. 8972 (1ad, 2co, 4a, 5g, 6b) Discovery of classical nova.
RY Sct	<i>Djurašević, G., Vince, I., Atanacković, O.</i> 2008, AJ 136, 767. (1b*, 5ij) Reanalysis of photometry supports existence of disk.
V479 Sct (LS 5039)	<i>Cerutti, B., Dubus, G., Henri, G.</i> 2008, A&A 488, 37. (2g, 8d) Study of pulsar wind in γ -ray binary. <i>Ribó, M. et al.</i> (5 authors) 2008, A&A 481, 17. VLBA radio imaging of γ -ray HMXB.
AS Ser	<i>Zhu, L.-Y., Qian, S.-B., Yang, Y.-G.</i> 2008, AJ 136, 337. (1ao, 5abc) Near-contact binary.
MT Ser	<i>Shimansky, V.V. et al.</i> (4 authors) 2008, AZh 85, 537. (2d, 5e) A binary blue subdwarf.
V711 Tau (HR 1099)	<i>Stee, O.B., Wilson, W., Ramsay, G.</i> 2008, Publ. Astron. Soc. Australia 25, 94. (1r, 3) Radiation mechanisms of highly polarised emission. (Erratum: <i>ibid.</i> , 25, 154.)
V1213 Tau (HH 30)	<i>Tambovtseva, L.V., Grinin, V.P.</i> 2008, MNRAS 387, 1313. (4c, 5cj, 8ab-cd) Models of low-velocity disc winds.
KZ TrA (4U 1626–67)	<i>Jain, C. et al.</i> (5 authors) 2008, J. Ap. & Astron. 28, 175. (1x) Search for an orbital motion of this candidate for a NS with an AD. <i>Kaur, R. et al.</i> (4 authors) 2008, ApJ 676, 1184. (2dx) Study of long-term evolution of QPO's.
NR TrA	2008, IAU Circ. 8931 (1acd, 4a, 6b) Designation and magnitudes of new nova. 2008, IAU Circ. 8935 (1a) Brightening at V-magnitudes.
AN UMa	<i>Campbell, R.K. et al.</i> (5 authors) 2008, ApJ 678, 1304. (2di) Cyclotron modelling.
AW UMa	<i>Pribulla, T., Rucinski, S.M.</i> 2008, MNRAS 386, 377. (2ao, 5d) RV mapping shows star is not a contact binary as photometric solution suggests; model of detached system engulfed by optically thick circumstellar matter in equatorial plane proposed. <i>Yang, Y.</i> 2008, Ap&SS 314, 151. (1ao, 5bc) Analysis of new lc.
BE UMa	<i>Shimansky, V.V. et al.</i> (7 authors) 2008, AZh 85, 623. (1a, 2d, 5e) Revised fundamental parameters.
EI UMa	<i>Reimer, T.W. et al.</i> (4 authors) 2008, ApJ 678, 376. (1aox, 5i) Identified as a prepolar CV.
IY UMa	<i>Khruzina, T.S., Katysheva, N.A., Shugarov, S.Yu.</i> 2008, AZh 85, 906. (1b, 5b) AD of CV in quiescence and active state.
KL UMa (Feige 48)	<i>van Grootel, V. et al.</i> (4 authors) 2008, A&A 483, 875. Asteroseismological evidence for spin-orbit synchronism.
KV UMa (XTE J1118+480)	<i>Hernandez, J.I.G. et al.</i> (8 authors) 2008, ApJ 679, 654. (6bo) Chemical abundances of secondary used to identify likely origin site of BH.
RU UMi	<i>Lee, J.W. et al.</i> (6 authors) 2008, PASP 120, 720. (1ao, 2a*, 5abcdeg) Period changes due to mass transfer and magnetic braking.

BH Vir	<i>Tian, Y.-P., Xiang, F.-Y., Tao, X.</i> 2008, PASJ 60, 571. (5ab) Period variations.
Z Vul	<i>Ghoreyshi, S.M.R., Ghanbari, J., Salehi, F.</i> 2008, Ap&SS 314, 331. (1ao*, 2a*, 5e)
V407 Vul	<i>Dolence, J., Wood, M.A., Silver, I.</i> 2008, ApJ 683, 375. (8ab) SPH simulations of impact accretion on ultracompact AM CVn binaries.
V459 Vul	2008, IAU Circ. 8936 (2ci, 5g) Thermal emission from dust.

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

HR 1099	(see V711 Tau)
HD 8634	<i>Tokovinin, A.A., Gorynya, N.A.</i> 2008, Observatory 128, 89. (2a, 5d) Test case for orbit circularization.
HD 45166	<i>Groh, J.H., Oliveira, A.S., Steiner, J.E.</i> 2008, A&A 485, 245. (2ao, 8ab) A quasi-WR star.
HD 100213	(see TU Mus)
HD 152248	(see V1007 Sco)
HD 155555	<i>Dunstone, N.J. et al.</i> (8 authors) 2008, MNRAS 387, 481. (3b, 5abcdeg) First maps of the surface magnetic fields. <i>Dunstone, N.J. et al.</i> (8 authors) 2008, MNRAS 387, 1525. (3b, 5abcdegk) Surface differential rotation.
HD 159656	<i>Ramn, D.J.</i> 2008, MNRAS 387, 220. (1x*, 2a, 5bdef) Spectroscopic study.
HD 161084	<i>Miura, J. et al.</i> (7 authors) 2008, PASJ, 60, S49. (1x, 2dx) A suggestion of binarity with magnetic activity.
HD 171491 (NSV 24512)	<i>Çakirli, 'O. et al.</i> (5 authors) 2008, MNRAS 389, 205. (1ao, 2abc, 5abcdeg, 8ab) Photometric and spectroscopic study.
HD 222326	<i>Zhuchkov, R.Ya. et al.</i> (6 authors) 2008, AZh 85, 611. (2a, 5d) Physical and dynamical parameters of multiple system.
HDE 245814	<i>Griffin, R.F.</i> 2008, Observatory 128, 290. (2a, 5d)
HDE 260988	<i>Griffin, R.F.</i> 2008, Observatory 128, 290. (2a, 5d)
BD -22°5866	<i>Shkolnik, E. et al.</i> (7 authors) 2008, ApJ 682, 1248. (1a, 2ao, 5bcde) Quadruple-lined system with 2.2 d eclipsing binary.

X-ray sources with constellation names

Cyg X-1	(see V1357 Cyg)
Cyg X-2	(see V1341 Cyg)
Cyg X-3	(see V1521 Cyg)
Her X-1	(see HZ Her)

Objects with names including RA and DEC

IGR J00291+5934	<i>Jonker, P.G., Torres, M.A.P., Steeghs, D.</i> 2008, ApJ 680, 615. (2aix) Change in the quiescent base level.
-----------------	---

XMMU J004814.1–731003	<i>Haberl, F. et al.</i> (5 authors) 2008, A&A 485, 177. (1x, 2x) HMXB in SMC.
XSS J00564+4548	<i>Butters, O.W. et al.</i> (5 authors) 2008, A&A 487, 271. (1x, 2x, 5i) Intermediate polar.
CXOU J010043.1–721134	<i>Tiengo, P., Esposito P., Mereghetti, S.</i> 2008, ApJ 680, L133. (1x, 2x) Observations of soft x-rays from magnetar in SMC.
XTE J0103–728	<i>Haberl, F., Pietsch, W.</i> 2008, A&A 484, 451. (1x, 2x) HMXB in SMC.
Suzaku J0105–72	<i>Takei, D. et al.</i> (7 authors) 2008, PASJ 60, S231. (2x, 6b) Discovery of a possible supersoft x-ray source in the SMC.
RX J0105.9–7203	<i>Eger, P., Haberl, F.</i> 2008, A&A 485, 807. (1x, 2x) HMXB in SMC.
2MASS J01542930+0053266	<i>Becker, A.C. et al.</i> (24 authors) 2008, MNRAS 386, 416. (1ao, 2abo, 5bcdg) New low-mass M0 V + M1 V EB; masses and radii derived, magnetic activity discussed.
IGR J01583+6713	<i>Ramanpreet, K. et al.</i> (4 authors) 2008, MNRAS 386, 2253. (1aox, 2abc, 5cdg, 6c) Multiwavelength study.
SDSS 031824–010018)	<i>Blake, C.H. et al.</i> (4 authors) 2008, ApJ 684, 635. (1ai, 2aoi, 5cd) LC/RV solution of newly discovered detached low mass binary.
2MASS J03202839–0446358	<i>Burgasser, A.J. et al.</i> (5 authors) 2008, ApJ 681, 579. (2c) Spectroscopic hints that this is a M8+T5 binary.
RX J0513.9–6951	<i>Burwitz, V. et al.</i> (7 authors) 2008, A&A 481, 193. (1ao*, 5j) Large variations in mass-transfer rate.
ASAS J052821+0338.5	<i>Stempels, H.C. et al.</i> (7 authors) 2008, A&A 481, 747. (1ao, 2ao, 5cde) Pre-main-sequence EB.
2MASS J05351113–0536511 (Par 1802)	<i>Stassun, K. G. et al.</i> (6 authors) 2008, Nature 453, 1079. (1ai, 2ao*, 5cde) Very young EB, SB in Orion nebula.
4U 0614+091	(see V1055 Ori)
XMMSL1 J070542.7–381442	(see V598 Pup)
PSR J0737–3039A/B	<i>Breton, R. P. et al.</i> (10 authors) 2008, Science 321, 104. (8a) Relativistic spin precession in double pulsar. <i>Kramer, M., Stairs, I.H.</i> 2008, Ann. Rev. Astron. Astrophys. 46, 541. (1r, 2r, 5abcde) Two active radio pulsars in most relativistic binary ever found; extremely accurate system parameters provide best test of general relativity.
RX J0806.3+1527	<i>Pellizzoni, A. et al.</i> (5 authors) 2008, ApJ 679, 664. (2dx) Evidence of heating of PSR A's surface from PSR B's wind.
ASAS 083128+1953.1 (GSC 01387-00475)	<i>Possenti, A. et al.</i> (8 authors) 2008, ApJ 680, 654. (2dx) Soft x-ray emission from magnetosphere of one component.
XTE J1118+480	(see HM Cnc)
SDSS J120841.96+355025.2	<i>Rucinski, S.M., Pribulla, T.</i> 2008, MNRAS 388, 1831. (1aio, 2abc, 5abdeg) Photometric and spectroscopic study.
XSS J12270–4859	(see KV UMa)
1A 1246–588	<i>Anderson, S.F. et al.</i> (22 authors) 2008, AJ 135, 2108. (2b, 6b) New AM CVn stars.
PSR B1259–63	<i>Butters, O.W. et al.</i> (5 authors) 2008, A&A 487, 271. (1x, 2x, 5i) Possible intermediate polar.
	<i>in't Zand, J.J.M. et al.</i> (6 authors) 2008, A&A 485, 183. (1x, 2x, 2ao, 5i) Ultracompact x-ray binary.
	<i>Bogovalov, S.V. et al.</i> (5 authors) 2008, MNRAS 387, 63. (1r*x*g*, 5c,

(SS 2883)	8abc) Modelling interaction of relativistic and non-relativistic winds. <i>Sierpowska-Bartosik, A., Bednarek, W.</i> 2008, MNRAS 385, 2279. (1g,8b) TeV γ -ray production modelled for pulsar + Be system.
Suzaku J1305–4931	<i>Isobe, N. et al.</i> (8 authors) 2008, PASJ 60, S241. (2x, 5i, 6b) Discovery of a transient ultraluminous x-ray source in NGC 4945.
2XMMp J131223.4+173659	<i>Vogel, J. et al.</i> (6 authors) 2008, A&A 485, 787. (1x, 1ao, 2bo, 6c, 5i) New AM Her.
SAX J1324–6200	<i>Mereghetti, S., Romano, P., Sidoli, L.</i> 2008, A&A 483, 249. (1x, 4ax, 5b) Swift observations. Likely a Be/NS binary.
CXOU J132518.2–430304	<i>Sivakoff, G.R. et al.</i> (17 authors) 2008, ApJ 677, L27. (2dx, 6b) Likely a LMXB in Cen A.
XMMU J134736.6+173403	<i>Carpano, S. et al.</i> (5 authors) 2008, A&A 480, 807. (2dx, 6bc) Eclipsing LMXB in quiescence or peculiar AGN?
SDSS J150722.30+523039.8	<i>Patterson, J., Thorstensen, J.R., Knigge, C.</i> 2008, PASP 120, 510. (1ao, 2ad, 4a, 5acde) CV in the galactic halo?
PSR B1516+02B	<i>Freire, P.C.C. et al.</i> (4 authors) 2008, ApJ 679, 1433. (2bo, 5ar) proper motion, measurement of mass of NS.
XTE J1550–564	(see V381 Nor)
1E 161348–5055	<i>Pizzolato, F. et al.</i> (5 authors) 2008, ApJ 681, 530. (8a) Does this magnetar have a dwarf binary companion?
4U 1626–67	(see KZ TrA)
SWIFT J1626.6–5156	<i>Reig, P. et al.</i> (6 authors) 2008, A&A 485, 797. (1x, 2x) Bright flares in HMXB.
2MASS J16271848–2429059 (WL 4 in ρ Oph)	<i>Plavchan, P. et al.</i> (4 authors) 2008, ApJ 684, L37. (1i*) Triple YSO system undergoing eclipses of disk.
IGR J16479–4514	<i>Romano, P. et al.</i> (9 authors) 2008, ApJ 680, L137. (1x, 2x) Monitoring supergiant fast x-ray transients. <i>Sguera, V. et al.</i> (9 authors) (1x, 5i) 2008, A&A 487, 619. Study of quiescent phase.
XTE J1650–500	<i>Gallo, E. et al.</i> (4 authors) 2008, ApJ 683, L51. (2x) The minimum luminosity of BHXRb's.
GRO J1655–40	(see V1033 Sco)
OA0 1657–415	<i>Barnstedt, J. et al.</i> (10 authors) 2008, A&A 486, 293. (1x, 2x, 5bi) Long term evolution.
PSR J1701–3006B	<i>Cocozza, G. et al.</i> (8 authors) 2008, ApJ 679, L105. (2bo) Optical companion identified.
IGR J17098–3628	<i>Chen, Y.-P., et al.</i> (8 authors) 2008, PASJ 60, 1173. (1gx, 2x, 4x) Suggestion of LMXB nature.
IGR J17195–4100	<i>Butters, O.W. et al.</i> (5 authors) 2008, A&A 487, 271. (1x, 2x, 5i) Possible intermediate polar.
1RXS J173021.5–055933	<i>de Martino, D. et al.</i> (11 authors) 2008, A&A 481, 149. (1aou, 2dx, 5gi) CV with a fast-spinning magnetic WD.
2MASS J17341721–1909229 (SS 73-90)	<i>Fekel, F.C. et al.</i> (5 authors) 2008, AJ 136, 146. (2ai, 3b*, 5de) Combined spectroscopic and polarimetric data give masses.
SLX 1737–282	<i>Falanga, M. et al.</i> (6 authors) 2008, A&A 484, 43. (1x, 5i) Burst analysis.
Swift J1753.5–0127	<i>Szkody, P. et al.</i> (11 authors) 2008, ApJ 682, L45. (2ox) Optical-x-ray cross correlation coefficient.

SWIFT J1756.9–2508	<i>Zurita, C. et al.</i> (6 authors) 2008, ApJ 681, 1458. (2ox, 5b) Period determination for BH binary with shortest period, 3.2243 hr.
XTE J1807–294	<i>Linares, M. et al.</i> (6 authors) 2008, ApJ 677, 515. (2dx) Classified as atoll source in extreme island state. <i>Chou, Y. et al.</i> (4 authors) 2008, ApJ 678, 1316. (2dx) Precise orbital parameters and anomolous phase variations. <i>Riggio, A. et al.</i> (7 authors) 2008, ApJ 678, 1273. (2dx) Precise estimate of spin frequency and spin up rate.
SAX J1808.4–3658	(see V4580 Sgr)
XTE J1817–330	<i>Gierliński, M., Done C., Page, K.</i> 2008, MNRAS 388, 753. (1x, 5cgi, 8a) X-ray irradiation and truncated disc model.
4U 1820–30	<i>Cackett, E.M. et al.</i> (8 authors) 2008, ApJ 677, 1233. (2cdx) Certain x-ray absorption lines probably originate in hot ISM.
XB 1832–330	<i>Sidoli, L. et al.</i> (4 authors) 2008, A&A 488, 249. (2x, 5h) Determination of abundance ratios.
4U 1901+03	<i>Chena, W. et al.</i> (5 authors) 2008, Chinese Astron. Ap. 32, 241. (1x) A systematic study of the pulse profile.
PSR J1903+0327	<i>Champion, D. J. et al.</i> (31 authors) 2008, Science 320, 1308. (1r, 1ai, 5e, 6b) Millisecond pulsar in eccentric orbit around main-sequence companion.
PSR B1913+16	<i>Clifton, T., Weisberg, J.M.</i> 2008, ApJ 679, 687. (8a) Simple model for pulse profiles of precessing pulsars.
GRS 1915+105	(see V1487 Aql)
X1916–053	(see V1405 Aql)
EXO 2030+375	(see V2246 Cyg)
SDSS J204739.40+000840.3	<i>Anderson, S.F. et al.</i> (22 authors) 2008, AJ 135, 2108. (2b, 6b) New AM CVn stars.
GRO J2058+42	Kiziloglu, U. et al. (5 authors) 2008, IBVS 5821. (1a, 2c) Increase in optical light.
SDSS J212531.92–010745.9	<i>Schuh, S. et al.</i> (9 authors) 2008, Astron. Nachr. 329, 376. (1ao,5b) New accurate period determination of close PG1159 binary.
4U 2129+47	(see V1727 Cyg)
SDSS J220553.98+115553.7	<i>Southworth, J., Townsley, D.M., Gänsicke, B.T.</i> 2008, MNRAS 388, 709. (1ao, 2abc, 5bcdeghi) Spectroscopic orbital period and search for pulsations.
AAVSO 2246+62 (GD 552)	<i>Unda-Sanzana, E. et al.</i> (10 authors) 2008, MNRAS 388, 889. (1ao, 2ab-ciu, 5cdeg, 8a) A CV with a brown dwarf mass-donor?
Swift J2319.4+2619	<i>Shafter, A.W. et al.</i> (6 authors) 2008, PASP 120, 374. (1ao, 5ab) Possible asynchronous polar.

Galactic objects with other designations

CS 22876-032	<i>González Hernández, J. I. et al.</i> (18 authors) 2008, A&A 480, 233. (2du, 5h) Extremely metal-poor dwarfs in double-lined SB.
Cyg OB2	<i>Kiminki, D.C., McSwain, M.V., Kobulnicky, H.A.</i> 2008, ApJ 679, 1478. (2do, 6b) Discovery of three new massive binaries in the Cyg OB2 association.

Cyg OB2 #9	<i>Nazé, Y. et al.</i> (4 authors) 2008, A&A 483, 543. (2aco) Binary signature in non-thermal radio-emitter.
	<i>van Loo, S. et al.</i> (4 authors) 2008, A&A 483, 585. (4cr*) A wind-colliding binary?
Feige 48	(see KL UMa)
GD 552	(see AAVSO 2246+62)
GSC 01387-00475	(see ASAS 083128+1953.1)
GSC 01874-00399	Samec, R.G. et al. (5 authors) 2008, IBVS 5849. (1a, 5c, 6b) Cool dwarf interacting EB.
GSC 04550-01408	<i>Dimitrov, D., Kraicheva, Z., Popov, V.</i> 2008, IBVS 5842. (1ab, 2a, 5cd) Short-period oscillations in Algol-type system.
GSC 2.3 N32O092280	<i>Capezzali, D., Fiorucci, M., Spogli, C.</i> 2008, IBVS 5824. (1a, 5bc, 6bd) New W UMa system discovered in Vul.
GX 339-4	(see V821 Ara)
Haro 1-14c	<i>Schaefer, G.H. et al.</i> (4 authors) 2008, AJ 135, 1659. (2ao, 4c, 5de) Pre-main-sequence SB resolved.
HH 30	(see V1213 Tau)
LS 5039	(see V479 Sct)
LS I +61°303	(see V615 Cas)
M 53	<i>Beccari, G. et al.</i> (27 authors) 2008, ApJ 679, 712. (6b) Discovery of nearly 200 blue stragglers.
MWC 314	(see V1429 Aql)
NGC 6397 v32	<i>Kaluzny, J. et al.</i> (4 authors) 2008, AJ 136, 400. (1ao, 2ao, 5d) Eccentric main-sequence binary in globular cluster shows very shallow eclipse.
NSV 24512	(see HD 171491)
Par 1802	(see 2MASS J05351113-0536511)
SS 2883	(see PSR B 1259-63)
SS 433	(see V1343 Aql)
SS 73-90	(see 2MASS J17341721-1909229)
WL 4 in ρ Oph	(see 2MASS J16271848-2429059)
WR 20a	<i>Nazé, Y., Raww, G., Manfroid, J.</i> 2008, A&A 483, 171. (2dx) Massive colliding-wind binary.
	<i>Tutukov, A.V., Fedorova, A.V., Cherepashchuk, A.M.</i> 2008, AZh 85, 728. (8c) Evolution of the components of CB.

Extragalactic close binaries with other designations

BAT99-129	<i>Antokhin, I.I., Cherepashchuk, A.M.</i> 2007, AZh 84, 542. (1b, 5c) LC analysis and component parameters of WN3(h)+O5V LMC EB.
IC 10 X-1	<i>Silverman, J.M., Filippenko, A.V.</i> 2008, ApJ 678, L17. (2cd0, 5e) Reconfirmed as the most massive stellar-mass BH.
LH 54-425	<i>Williams, S.J. et al.</i> (8 authors) 2008, ApJ 682, 492. (1ao, 2ao, 5cdf) Solution of LMC massive binary.
M33 X-7	<i>Liu, J. et al.</i> (5 authors) 2008, ApJ 679, L37. (2dx) Precise measurement of spin parameter.
M82 X-1	<i>Casella, P. et al.</i> (6 authors) 2008, MNRAS 387, 1707. (1x*, 5cegi, 8a) New method to estimate the mass of BHs in ultraluminous x-ray sources.

NGC 1313 X-2	<i>Grisé, F. et al.</i> (7 authors) 2008, A&A 486, 151. (1ao, 6c, 5i) Optical counterpart study.
NGC 4038/4039	<i>Clark, D.M. et al.</i> (10 authors) 2008, ApJ 678, 798. (1io, 2dx) First estimate of x-ray binary frequency as a function of star cluster mass.
NGC 5408 X-1	<i>Casella, P. et al.</i> (6 authors) 2008, MNRAS 387, 1707. (1x*, 5cegi, 8a) New method to estimate the mass of BHs in ultraluminous x-ray sources.
SNIa 2007sr	<i>Nelemans, G. et al.</i> (4 authors) 2008, MNRAS 388, 487. (1ao*u*x*, 5cdeg) Limits on the x-ray and optical luminosity.
SXP327	<i>Coe, M.J. et al.</i> (7 authors) 2008, MNRAS 387, 724. (1aox, 5bcg, 6c, 8b) Optical and x-ray study of SMC x-ray binary.

General

Asada, H. 2008, PASJ 60, 843. Note on an inversion formula to determine binary elements by astrometry.

Babkovskaia, N., Brandenburg, A., Poutanen, J. 2008, MNRAS 386, 1038. Boundary layer on the surface of a neutron star.

Banerjee, S., and Ghosh, P. 2008, ApJ 680, 1438. Evolution of compact binary populations in globular clusters. (8)

Belczynski, K. et al. (6 authors) 2008, ApJ 680, L129. Mergers of binary NS creating low mass BH + γ -ray bursts. (8)

Berti, E. and Volonteri, M. 2008, ApJ 684, 822. BH spin changes by mergers and accretion. (8)

Bhattacharyya, B., Nityananda, R. 2008, MNRAS 387, 273. Determination of the orbital parameters of binary pulsars.

Bogdanov, M.B., Cherepashchuk, A.M. 2008, Ap&SS 317, 181. Search for exotic matter from gravitational microlensing observations of stars.

Bonačić Marinović, A.A., Glebbeek, E., Pols, O.R. 2008, A&A 480, 797. Orbital eccentricities of binary systems with a former AGB star.

Bosch-Ramon, V., Khangulyan, D., Aharonian, F.A. 2008, A&A 482, 397. Non-thermal emission from secondary pairs in close TeV binary systems.

Bozzo, E., Falanga, M., Stella, L. 2008, ApJ 683, 1031. Magnetars in HMXB's? (8a, 9)

Chaty, S. et al. (6 authors) 2008, A&A 484, 783. Multi-wavelength observations of galactic hard x-ray sources discovered by INTEGRAL. I. The nature of the companion star.

Claret, A. 2008, A&A 482, 259. Testing the limb-darkening coefficients measured from EBs.

Corradi, R.L.M. et al. (10 authors) 2008, A&A 480, 409. IPHAS and the symbiotic stars. I. Selection method and first discoveries.

- Das, M.K. et al.* (4 authors) 2008, Ap&SS 314, 261. Effect of radiation on the stability of equilibrium points in the binary stellar systems: RW Mon, Krüger 60.
- Davis, D.S. et al.* (8 authors) 2008, AJ 135, 2155. Binary fraction of NGC 6397 from HST photometry.
- De Marco, O., Hillwig, T.C., Smith, A.J.* 2008, AJ 136, 323. Binary central stars of planetary nebulae discovered through photometric variability.
- Detmers, R.G. et al.* (4 authors) 2008, A&A 484, 831. γ -ray bursts from tidally spun-up Wolf-Rayet stars?
- Done, C., Davis, S.W.* 2008, ApJ 683, 389. Angular momentum transport in BH binaries. (8ab)
- Eaton, J.A.* 2008, ApJ 681, 562. Spurious eccentricities of distorted binary components. (8a)
- Eker, Z., Demircan, O., Bilir, S.* 2008, MNRAS 386, 1756. Formation and evolution of W UMa stars: fallacies and corrections.
- Farinelli, R. et al.* (4 authors) 2008, ApJ 680, 602. New Comptonization model for weakly magnetized accreting NS's in LMXB's.
- Fogelström, S., Levin, L., Slapak, R.* 2008, PASJ 60, 605. Local analysis of nonlinear oscillations of thin ADs.
- Fragos, T. et al.* (15 authors) 2008, ApJ 683, 346. Modelling the formation of LMXB's in NGC 3379 and NGC 4278. (8c)
- Fukue, J.* 2008, PASJ 60, 627. Milne-Eddington solutions for relativistic plane-parallel flows.
- Geier, S. et al.* (4 authors) 2008, MmSAI 79, 608. Binary sdB stars with massive compact companions.
- Goldman, I.* 2008, Astron. Nachr. 329, 762. The effective tidal viscosity in close solar-type binaries.
- Grundahl, F. et al.* (6 authors) 2008, MmSAI 79, 476. Pinpointing isochrones in clusters.
- Haensel, P., Zdunik, J.L.* 2008, A&A 480, 459. Models of crustal heating in accreting neutron stars.
- Han, Z.* 2008, ApJ 677, L109. Theoretical distribution of properties of companion stars at the time of type Ia SN explosions.
- Han, Z.* 2008, A&A 484, L31. A possible solution for the lack of extreme horizontal branch binaries in globular clusters.
- Heber, U.* 2008, MmSAI 79, 375. Extreme horizontal branch stars .
- Hekker, S. et al.* (6 authors) 2008, A&A 480, 215. Precise radial velocities of giant stars. IV. A correlation between surface gravity and radial velocity variation and a statistical investigation of companion properties.

- Hensberge, H., Ilijić, S., Torres, K.B.V.* 2008, *A&A* 482, 1031. On the separation of component spectra in binary and higher-multiplicity stellar systems: bias progression and spurious patterns.
- Hoffman, D.I. et al.* (7 authors) 2008, *AJ* 136, 1067. New β Lyr and Algol candidates from Northern Sky Variability Survey.
- Ivanova, N. et al.* (5 authors) 2008, *MNRAS* 386, 553. Formation and evolution of compact binaries in globular clusters – II. Binaries with neutron stars.
- Kato, S.* 2008, *PASJ* 60, 889. Frequency correlation of QPOs based on a reasonably excited disk-oscillation model.
- Kiel, P.D. et al.* (4 authors) 2008, *MNRAS* 388, 393. Populating the galaxy with pulsars - I. Stellar and binary evolution.
- Kley, W., Papaloizou, J.C.B., Ogilvie, G.I.* 2008, *A&A* 487, 671. Simulations of eccentric disks in close binary systems.
- Kramer, M., Stairs, I.H.* 2008, *Ann. Rev. Astron. Astrophys.* 46, 541. The double pulsar.
- Krczytof, B. et al.* (4 authors) 2008, *ApJ* 682, 474. BH spin evolution: implications for γ -ray bursts and gravitational wave detection. (8)
- Lal, A.K., Pathania, A., Mohan, C.* 2008, *Ap&SS* 315, 157. Effect of Coriolis force on the equilibrium structures of rotating stars and stars in binary systems.
- Lasota, J.-P., Dubus, G., Kruk, K.* 2008, *A&A* 486, 523. Stability of helium accretion discs in ultra-compact binaries.
- Li, L. et al.* (5 authors) 2008, *MNRAS* 387, 97. The evolutionary status of W UMa-type systems.
- Li, L.-S.* 2008, *AZh* 85, 896. (8b) Influence of mass-loss from stellar wind on the orbits of binary stars in a second-order theory.
- Lipunova, G.V., Shakura, N.I.* 2008, *A&A* 485, 153. New solution to viscous evolution of accretion disks in binary systems.
- Loader, B.* 2008, *Southern Stars* 47, 6. Observations of lunar occultations of double stars.
- Lü, G. et al.* (4 authors) 2008, *ApJ* 683, 990. Chemical abundances in symbiotic stars. (8)
- Lugaro, M. et al.* (11 authors) 2008, *A&A* 484, L27. Fluorine in carbon-enhanced metal-poor stars: a binary scenario.
- Lukyanov, L.G.* 2008, *AZh* 85, 755. (8a) Dynamical evolution of stellar orbits in CB with conservative mass transfer.
- Machida, M., Matsumoto, R.* 2008, *PASJ* 60, 613. Excitation of low-frequency QPOs in BH accretion flows.
- Machida, M.N.* 2008, *ApJ* 682, L1. Binary star formation vs. cloud metallicity (8b)

- Machida, M.N. et al.* (4 authors) 2008, ApJ 677, 327. Formation scenario for wide and close binary systems.
- McNamara, A.L., Kuncic, Z., Wu, K.* 2008, MNRAS 386, 2167. X-ray polarization signatures of Compton scattering in magnetic CVs.
- Milone, A.P. et al.* (4 authors) 2008, MmSAI 79, 623. Photometric binaries in 50 globular clusters .
- Miszalski, B. et al.* (5 authors) 2008, A&A 488, L79. Discovery of eclipsing binary central stars in the planetary nebulae PN G359.1-02.3 (M 3-16), PN G357.6-03.3 (H 2-29), and PN G000.2-01.9 (M 2-19).
- Moni Bidin, C., Catelan, M., Altmann, M.* 2008, A&A 480, L1. (2a0) Is a binary fraction-age relation responsible for the lack of extreme horizontal branch binaries in globular clusters?
- Mukai, K., Origo, M., Valle, M.D.* 2008, ApJ 677, 1248. Novae as transient x-ray sources may offer a probe near the galactic centre.
- Nef, P.D., Rucinski, S.M.* 2008, MNRAS 385, 2239. Luminosity function of contact binaries at high galactic latitudes towards LMC and SMC.
- Niino, Y., Totani, T.* 2008, ApJ 677, L23. Study of intracluster short γ -ray bursts by compact binary mergers.
- Paardekooper, S.-J., Thébault, P., Mellema, G.* 2008, MNRAS 386, 973. Planetesimals and gas dynamics in binaries.
- Parkin, E.R., Pittard, J.M.* 2008, MNRAS 388, 1047. A 3D dynamical model of the colliding winds in binary systems.
- Patruno, A., Zampieri, L.* 2008, MNRAS 386, 543. Optical emission from massive donors in ultraluminous x-ray-source binary systems.
- Pecháček, T., Karas, V., Czerny, B.* 2008, A&A 487, 815. Hot-spot model for accretion disc variability as random process.
- Perucho, M., Bosch-Ramon, V.* 2008, A&A 482, 917. On the interaction of microquasar jets with stellar winds.
- Piro, A.* 2008, ApJ 679, 616. Internal shear of type Ia SN progenitors during accretion and simmering.
- Pritchett, C.J., Howell, D.A., Sullivan, M.* 2008, ApJ 683, L25. Progenitors of type Ia supernovae. (9)
- Putten, M.H.P.M.* 2008, ApJ 684, L91. Gravitational wave forms produced from compact binary star mergers. (8)
- Qingwen, W. and Gu, M.* 2008, ApJ 682, 212. The x-ray spectral evolution in XRB's and its application to constrain the black hole mass of ultraluminous x-ray sources. (9)
- Rahoui, F. et al.* (4 authors) 2008, A&A 484, 801. Multi-wavelength observations of galactic hard x-ray sources discovered by INTEGRAL. II. The environment of the companion star.

- Rantsiou, E. et al.* (4 authors) 2008, ApJ 680, 1326. Mergers of NS and BH. (8)
- Regev, O., Umurhan, O.M.* 2008, A&A 481, 21. On the viability of the shearing box approximation for numerical studies of MHD turbulence in accretion disks.
- Reiners, A. and Basri, G.* 2008, ApJ 684, 1390. Magnetic braking dominates in L brown dwarfs, braking- T_{eff} law derived. (2oi)
- Rezzolla, L. et al.* (7 authors) 2008, ApJ 679, 1422. Spin diagrams of equal mass BH binaries with aligned spins.
- Romero, G.E., Vila, G.S.* 2008, A&A 485, 623. The proton low-mass microquasar: high-energy emission.
- Samujllo, M., Kiraga, M.* 2007, Acta Astronomica 57, 347. Evolution of magnetic flux tubes in convective envelopes of CB Stars.
- Sana, H. et al.* (5 authors) 2008, MNRAS 386, 447. The massive star binary fraction in young open clusters – I. NGC 6231 revisited.
- Sarty, G.E., Saxton, C.J., Wu, K.* 2008, Ap&SS 317, 239. The effect of two-temperature post-shock accretion flow on the linear polarization pulse in magnetic cataclysmic variables.
- Sato, J., Umemura, M., Sawada, K.* 2008, MNRAS 387, 1517. The impact of a supernova explosion in a very massive binary.
- Schmidtke, P.C., Chobanian, J.B., Cowlwy, A.P.* 2008, AJ 135, 1350. New variables in NGC 330 from OGLE II data, including a few EB.
- Schreiber, M.R. et al.* (5 authors) 2008, A&A 484, 441. Post-common-envelope binaries from SDSS. II. Identification of 9 close binaries with VLT/FORS2.
- Seto, N.* 2008, ApJ 677, L55. Method for detecting planets around compact binaries using gravitational wave detectors in space.
- Sharma, S. et al.* (7 authors) 2008, AJ 135, 1934. Mass-function slopes give estimate of binary content in 9 open clusters.
- Shtykovskiy, P.E., Gilfanov, A.A.* 2007, LeAZh 33, 340. (9) HMXBs and the spiral structure of the galaxy.
- Shtykovskiy, P.E., Gilfanov, A.A.* 2007, LeAZh 33, 492. (9) HMXBs and recent star formation history of SMC.
- Silvers, L.J.* 2008, MNRAS 385, 1036. Long-term nonlinear behaviour of the magneto rotational instability in a localized model of an AD.
- Sollima, A.* 2008, MNRAS 388, 307. The evolution of the binary population in globular clusters: a full analytical computation.
- Sotnikova, N.Ya., Grinin, V.P.* 2007, LeAZh 33, 667. (8d) Hydrodynamic processes in young binaries as a source of periodic variations in circumstellar extinction.

Surman, R. et al. (4 authors) 2008, ApJ 679, L117. r-process nucleosynthesis in hot AD flows from BH-NS mergers.

Sytov, A.Yu. et al. (5 authors) 2007, AZh 84, 926. (8b) The mechanism of common-envelope formation in CB.

Tomasella, L. et al. (7 authors) 2008, MmSAI 79, 753. Asiago eclipsing binaries program. Observations vs. theory.

Tout, C.A. et al. (5 authors) 2008, MNRAS 387, 897. Binary star origin of high field magnetic white dwarfs.

Trimble, V. 2008, Observatory 128, 286. Distribution of binary-system mass ratios from a sample less biased than earlier ones.

Tsantilas, S., Rovithis-Livaniou, H. 2008, Astron. nachr. 329, 596. Gravity and effective temperature distribution on the surface of contact binary systems.

Valtonen, M.J. et al. (26 authors) 2008, Nature 452, 851. (6b) A massive binary BH system in the quasar OJ 287 and a test of general relativity.

van Rensbergen, W. et al. (4 authors) 2008, A&A 487, 1129. Spin-up and hot spots can drive mass out of a binary.

Vierdayanti, K., Watarai, K.-Y., Mineshige, S. 2008, PASJ 60, 653. On BH mass estimation from x-ray spectra of untruluminous x-ray sources.

Yungelson, L.R. 2008, LeAZh 34, 685. (8c) Evolution of low-mass He stars in semidetached binaries.

Yungelson, L.R., Lasota, J.-P. 2008, A&A 488, 257. Evolutionary models of short-period soft x-ray transients: comparison with observations.

Zuo, Z., Li, X., Liu, X. 2008, MNRAS 387, 121. Spatial distribution of luminous x-ray binaries in spiral galaxies.

Collections of data

Augusteijn, T. et al. (5 authors) 2008, A&A 486, 843. White dwarf-red dwarf binaries in the Sloan Digital Sky Survey. I. Sample definition.

Boisvert, P. et al. (4 authors) 2008, ApJ 683, 449. (2u) LMC WC+O binaries HD 35517 (Br 22) and HD 36521 (Br 32).

Borkovits, T., Van Cauteren, P., Lampens, P. et al. (13 authors) 2008, IBVS 5835. (5a) New and archive times of minima of EB: AP Aur, CL Aur, HP Aur, IM Aur, IU Aur, 44 Boo, Y Cam, SV Cam, AS Cam, IT Cas, OX Cas, PV Cas, VW Cep, GK Cep, CC Com, V370 Cyg, V453 Cyg, V477 Cyg, V478 Cyg, V961 Cyg, RX Dra, EF Dra, TU Her, AK Her, CT Her, AK Her, AU Lac, RW Leo, XY Leo, UV Lyn, EF Ori, GU Ori, AG Per, V432 Per, AO Ser, OU Ser, SV Tau, RS Tri, W UMa,

VV UMa, XY UMa, DW UMa, HX UMa, LP UMa, RT UMi, DR Vul.

Campbell, R.K., Harrison, T.E., Kapka, S. 2008, ApJ 683, 409. (1i, 2i, 5c) Phase-resolved cyclotron spectroscopy of polars, AM Her and ST LMi.

Clausen, J.V. et al. (7 authors) 2008, A&A 487, 1081. Four-colour photometry of eclipsing binaries. XLI. (AD Boo, SW CMa, HW CMa, VZ Hya, WZ Oph).

Diethelm, R. 2008, IBVS 5837. 166. List of timings of minima EB by BBSAG Observers obtained between July 2007 and June 2008: V1075 Aql, V379 Aur, V523 Aur, GSC 2393-680, TX Boo, FY Boo, AK Cam, DH CVn, LO Com, LP Com, V385 Cyg, V469 Cyg, V809 Cyg, V853 Cyg, V961 Cyg, V974 Cyg, V2280 Cyg, V2282 Cyg, V2284 Cyg, V2294 Cyg, MU Dra, GSC 3523-505, GSC 3552-321, GSC 3888-464, GSC 3905-60, TZ Gem, AZ Gem, BD Gem, EN Gem, NSV 3210, NSV 3346, LT Her, LV Her, V357 Her, V731 Her, V732 Her, V733 Her, V742 Her, V1088 Her, GSC 963-246, GSC 1518-913, GSC 1537-1557, GSC 1549-3991, GSC 2587-289, GSC 2587-4476, GSC 3097-1297, GSC 3101-547, GSC 3106-1368, GSC 3510-5, GSC 3532-553, BV Lyr, V400 Lyr, V574 Lyr, V579 Lyr, V580 Lyr, V582 Lyr, V591 Lyr, V592 Lyr, V596 Lyr, GSC 3108-57, GSC 3109-859, GSC 3526-1995, GSC 3526-2369, V2332 Oph, GSC 995-1646, NSV 8780, NSV 9637, GU Ori, GSC 107-596, GSC 702-1892, GSC 706-845, GSC 1283-53.

Dillon, M. et al. (10 authors) 2008, MNRAS 386, 1568. (1a, 5abcg) Time series photometry of 15 CVs from SDSS: 001856.93+345444.3, EN Cet (002728.01–010828.5), 015151.87+140047.2, 074813.54+290509.2, 082409.73+493124.4, 085414.02+390537.3, 090103.93+480911.1, 090452.09+440255.4, 091945.11+085710.0, 124426.26+613514.6, 125023.85+665525.5, 151413.72+454911.9, 171145.08+301320.0, 211605.43+113407.5, 215411.12–090121.6.

Farinelli, R. et al. (4 authors) 2008, ApJ 680, 602. (2dx) Applied new Comptonization model. V1341 Cyg (Cyg X-2), V818 Sco (Sco X-1), X Sgr X-1 (GX 3+1), NP Ser (GX 17+2), 4U 1642–45 (GX 340+0), 4U 1728–34 (GX 354-0).

Fridriksson, J.K. et al. (5 authors) 2008, ApJSS 177, 465. (1x) Variability in point-like sources indicate populations of XRB's in NGC 6946 and NGC 4485/4490.

Galache, J.L. et al. (8 authors) 2008, ApJSS 177, 189. (1o, 5b) SMC light curves producing 10 new and 10 updated ephemerides for Be/x-ray binaries.

Geißler, K., Chauvin, G., Sterzik, M. F. 2008, A&A 480, 193. (1ai) Mid-infrared imaging of brown dwarfs in binary systems. GJ 229 B, HD 130948 BC, HR 7329 B, HR 7672.

Godon, P. et al. (6 authors) 2008, ApJ 679, 1447. (2dou) Synthetic spectral analysis of exposed WD: SS Aur, EY Cyg, VW Hyi, RU Peg, EK TrA.

Griffin, R.F. 2008, Observatory 128, 95. (2a, 5d) SB2s: HD 105443, HD 108576, HD 112276, HD 112641, HR 4964 (partial orbit for long-P SB2).

Griffin, R.F. 2008, Observatory 128, 176. (2a, 5d) Bright binaries: 39 Cyg, β LMi, κ Per, 56 UMa, HR 4593.

Häussler, K., Berthold, T., Kroll, P. 2008, IBVS 5847. Elements for 8 EB: V415 Oph, V760 Oph, V947 Oph, V968 Oph, NSV 8869, NSV 8970, NSV 9740, NSV 9840.

Hübscher, J., Steinbach, H.-M., Walter, F. 2008, IBVS 5830. BAV observations of selected EB (BAV

Mitteilungen No. 193): RT And, TW And, XZ And, AD And, AP And, BD And, BL And, CU And, EX And, GK And, GZ And, LO And, V404 And, V412 And, V425 And, CD Aqr, CX Aqr, FK Aql, QY Aql, V346 Aql, V416 Aql, V417 Aql, V609 Aql, V724 Aql, V761 Aql, V803 Aql, V8,04 Aql, V829 Aql, V970 Aql, V1045 Aql, V1075 Aql, V1096 Aql, V1097 Aql, V1243 Aql, V1299 Aql, V1430 Aql, V1538 Aql, V1542 Aql, SS Ari, BC Aur, FR Aur, V432 Aur, AC Boo, AM CMi, AX Cas, BN Cas, BS Cas, BU Cas, EN Cas, GU Cas, IR Cas, IT Cas, MV Cas, NN Cas, OR Cas, OX Cas, PV Cas, V336 Cas, V345 Cas, V360 Cas, V366 Cas, V374 Cas, V375 Cas, V381 Cas, V387 Cas, V396 Cas, V427 Cas, V459 Cas, V471 Cas, V523 Cas, V860 Cas, SU Cep, WY Cep, XX Cep, XY Cep, ZZ Cep, AI Cep, BE Cep, BU Cep, CW Cep, DW Cep, EF Cep, GS Cep, IM Cep, NW Cep, Y Cyg, SY Cyg, AE Cyg, BO Cyg, CG Cyg, DK Cyg, DO Cyg, EN Cyg, GG Cyg, GV Cyg, KR Cyg, KV Cyg, LO Cyg, MR Cyg, NU Cyg, V385 Cyg, V387 Cyg, V388 Cyg, V398 Cyg, V445 Cyg, V447 Cyg, V466 Cyg, V488 Cyg, V493 Cyg, V496 Cyg, V526 Cyg, V620 Cyg, V628 Cyg, V642 Cyg, V680 Cyg, V711 Cyg, V725 Cyg, V743 Cyg, V873 Cyg, V909 Cyg, V959 Cyg, V961 Cyg, V962 Cyg, V965 Cyg, V975 Cyg, V979 Cyg, V995 Cyg, V1004 Cyg, V1013 Cyg, V1018 Cyg, V1136 Cyg, V1147 Cyg, V1171 Cyg, V1411 Cyg, V1414 Cyg, V1508 Cyg, V1723 Cyg, V1815 Cyg, V1918 Cyg, V2181 Cyg, RR Del, TY Del, YY Del, AL Del, AV Del, BG Del, BH Del, BO Del, BS Del, BW Del, BY Del, CR Del, DM Del, TZ Dra, BE Dra, BF Dra, BO Gem, CW Gem, IM Gem, ES Her, LV Her, PW Her, V342 Her, V381 Her, V387 Her, V1052 Her, V1073 Her, AW Lac, CG Lac, CN Lac, CO Lac, CY Lac, EK Lac, EM Lac, EO Lac, EP Lac, ES Lac, EY Lac, FI Lac, FL Lac, GX Lac, IP Lac, KS Lac, MZ Lac, NW Lac, PP Lac, V339 Lac, V345 Lac, TT Lyr, UZ Lyr, BV Lyr, FT Ori, U Peg, ZZ Peg, AT Peg, BB Peg, BY Peg, CC Peg, CU Peg, DP Peg, GH Peg, RT Per, AG Per, IU Per, KN Per, LS Per, V366 Per, V449 Per, V Sge, SY Sge, UZ Sge, CK Sge, CW Sge, DK Sge, DL Sge, FL Sge, GN Sge, GO Sge, DK Sct, EY Sct, CD Tau, CF Tau, V Tri, RV Tri, RR Vul, AT Vul, AW Vul, AX Vul, AY Vul, BG Vul, BM Vul, BP Vul, BS Vul, BU Vul, CD Vul, EU Vul, FM Vul, FO Vul, FR Vul, GI Vul.

Karami, K., Mohebi, R. 2008, *J. Ap. & Astron.* 28, 217. (5e) Velocity-curve analysis by a nonlinear least-squares method: EE Cet, V921 Her, PV Pup, HD 141929.

Kato, T., Maehara, H., Monard, B. 2008, *PASJ* 60, L23. (1o, 5i) Late superhumps: V455 And, GW Lib, WG Sge.

Knigge, C. et al. (6 authors) 2008, *ApJ* 683, 1006. (1ui, 2ui, 6b) 48 blue objects in 47 Tuc observed, several binary stars and candidates discovered.

Kozhevnikova, A.V. et al. (4 authors) 2007, *AZh* 84, 1029. (1b, 5c) Long-term starspot activity of WY Cnc and BH Vir.

Littlefair, S.P. et al. (8 authors) 2008, *MNRAS* 388, 1582. (1ao, 5abcegi) Three-colour photometry and system parameters of seven short-period CVs: SDSS J090350.73+330036.1, SDSS J103533.03+055158.4, SDSS J122740.83+513925.0, SDSS J143317.78+101123.3, SDSS J150137.22+550123.3, SDSS J150240.98+333423.9 and SDSS J150722.30+523039.8.

Maciejewski, G., Georgiev, T., Niedzielski, A. 2008, *Astron. Nachr.* 329, 387. (1ao, 6b) Four EBs and one contact binary detected in young open cluster NGC 6939.

Maxted, P.F.L. et al. (5 authors) 2008, *MNRAS* 385, 2210. (2ao, 6b) 11 new low-mass binaries (6 SB2, 5 SB1) found in the young σ and λ Ori clusters.

Mermilliod, J.-C. et al. (5 authors) 2008, *A&A* 485, 95.(2ao) Membership, binarity, and rotation of F-G-K stars in the open cluster Blanco 1. (14 new SBs).

Mermilliod, J.-C., Queloz, D., Mayor, M. 2008, A&A 488, 409. Membership and binarity of solar-type dwarfs in the nearby open cluster Alpha Persei (Mel 20). (12 new SBs).

Messina, S. 2008, A&A 480, 495. Long-term magnetic activity in close binary systems. I. Patterns of color variations. Data for magnetically active CBs: UX Ari, VY Ari, RS CVn, BY Dra, EI Eri, V775 Her, AR Lac, DH Leo, V1149 Ori, II Peg, SZ Psc, AR Psc, V711 Tau, HU Vir.

Nelson, R.H. 2008, IBVS 5820. (5a) CCD minima for selected EB in 2007: WZ And, BL And, GI Aur, IZ Aur, MU Aur, V402 Aur, V404 Aur, V410 Aur, TY Boo, AC Boo, GQ Boo, AO Cam, DN Cam, MT Cam, V445 Cas, V471 Cas, V520 Cas, NW Cep, EH Cnc, FF Cnc, HN Cnc, RZ Com, LQ Com, RW CrB, BI CVn, BO CVn, DF CVn, DH CVn, G2533-1563 CVn, G2534-1121 CVn, G2537-0520 CVn, V680 Cyg, V700 Cyg, V841 Cyg, V1191 Cyg, V1918 Cyg, V2282 Cyg, BV Dra, BW Dra, FU Dra, RW Gem, AC Gem, BD Gem, V345 Gem, V719 Her, V728 Her, V1055 Her, V1073 Her, G3092-1291 Her, V390 Hya, V0342 Lac, SW Lyn, DZ Lyn, AH Lyr, V0411 Lyr, V574 Lyr, V714 Mon, DM Peg, DK Per, IU Per, KR Per, KW Per, V432 Per, V579 Per, RV Psc, AU Ser, OU Ser, RZ Tau, SV Tau, AH Tau, AM Tau, CR Tau, CU Tau, EQ Tau, V781 Tau, UX UMa, XY UMa, ZZ UMa, AA UMa, BM UMa, HH UMa, GSC3449-0688 UMa, BG Vul, GI Vul.

Nespoli, E., Fabregat, J., Mennickent, R.E. 2008, A&A 486, 911. (2bi*, 6c) (6 HMXBs).

Ogloza, W. et al. (6 authors) 2008, IBVS 5843. (5a) Times of minima observed by "Pi of the sky": ST Aqr, SU Aqr, CW Aqr, CX Aqr, DD Aqr, DY Aqr, EE Aqr, EF Aqr, EK Aqr, EL Aqr, HV Aqr, KX Aqr, QR Ara, RX Ari, SS Ari, RS Col, eps CrA, RV Crv, SX Crv, TW Crt, W Crv, Y Crv, RW Dor, AV Dor, RU Eri, YY Eri, FG Hya, HU Hya, QY Hya, V340 Hya, V356 Hya, V358 Hya, UX Leo, UZ Leo, VZ Leo, XY Leo, XZ Leo, AM Leo, AP Leo, U Peg, TY Peg, AT Peg, BB Peg, BX Peg, DI Peg, DK Peg, OO Peg, V357 Peg, AE Phe, RW PsA, Y Psc, SZ Psc, UV Psc, VZ Psc, RW Tau, RZ Tau, AH Tau, CD Tau, GR Tau, HU Tau, V781 Tau, V1061 Tau, V1121 Tau, V1128 Tau, X Tri, UW Vir, VV Vir, AG Ari, AL Ari, TU CMa, VW CMa, CX CMa, FF CMa, FZ CMa, HY CMa, IQ CMa, IS CMa, KL CMa, LV CMa, YY CMi, BU CMi, RR Cen, V678 Cen, V700 Cen, V757 Cen, V839 Cen, TT Cet, TV Cet, TX Cet, WY Cet, XY Cet, YY Cet, AA Cet, DY Cet, TX Cnc, WY Cnc, XZ Cnc, FF Cnc, RS Col, YY Eri, AS Eri, BC Eri, BU Eri, BV Eri, BW Eri, BZ Eri, FO Eri, FX Eri, GH Eri, GK Eri, GW Eri, HN Eri, AE For, AL Gem, GW Gem, QT Gem, SX Hya, WY Hya, EZ Hya, FG Hya, AP Leo, DU Leo, V Lep, Z Lep, RR Lep, RS Lep, VZ Lib, ES Lib, IR Lib, SX Lup, FS Lup, FT Lup, TY Men, AN Men, Z Nor, NS Mon, IR Nor, V1010 Oph, V2394 Oph, ET Ori, FR Ori, V1388 Ori, U Peg, VZ Psc, AQ Psc, TY Pup, UZ Pup, EN Pup, MP Pup, UX Ret, V1055 Sco, V1084 Sco, U Sct, RS Ser, CQ Ser, Y Sex, VY Sex, YY Sgr, BN Sgr, DV Sgr, EG Sgr, V1647 Sgr, V4396 Sgr, VV Vir, AG Vir, BF Vir, BH Vir, CX Vir, DM Vir, GR Vir, HY Vir, IM Vir, LU Vir, MS Vir.

Pretorius, M.L., Knigge, C. 2008, MNRAS 385, 1471. (2co, 5b, 6b) H α -based discovery of 14 new CVs.

Rau, A. et al. (8 authors) 2008, ApJ 682, 1205. (1o) Discovery of 5 new Fornax variables including 2 WUMa's in a survey of fast transients.

Reynolds, M.T. et al. (4 authors) 2008, MNRAS 387, 788. (1ao, 2bc, 5cdegi, 8b) Infrared contamination in the galactic x-ray novae: KV UMa (XTE J1118+480), V518 Per (GRO J0422+32), V616 Mon (A0620-00), QZ Vul (GS 2000+25), GU Mus (GS 1124-683), V822 Cen (Cen X-4), V404 Cyg (GS 2023+338).

Roberts, T.B., Levan, A.J., Goad, M.R. 2008, MNRAS 387, 73. (1aox, 5cg, 6c) HST imaging of 6 ultraluminous x-ray sources: IC 342 X-1, IC 342 X-2, NGC 2403 X-1, NGC 4485 X-1, NGC 4485

X-1, M83 IXO 82.

Rucinski, S.M. et al. (13 authors) 2008, AJ 136, 586. (2a, 5d) EG Cep, V1191 Cyg, V1003 Her, V357 Peg, V407 peg, V1123 tau, HH UMa, PY Vir, BD +7°3142 (the last two are triple).

Russell, D.M., Fender, R.P. 2008, MNRAS 387, 713. (1aio, 3a, 5cgi) Polarized infrared emission from jets of eight x-ray binaries: V821 Ara (GX 339-4), V1033 Sco (GRO J1655-40), V518 Per (GRO J0422+32), V1055 Ori (4U 0614+09), KV UMa (XTE J1118+480), V818 Sco (Sco X-1), V1333 Aql (Aql X-1), V1343 Aql (SS 433).

Schnurr, O. et al. (5 authors) 2008, MNRAS 389, 806. (1ao*x*, 2abc, 5cdeg, 6b) A spectroscopic survey of 41 late-type WR stars in LMC.

Shimansky, V.V. et al. (7 authors) 2008, AZh 85, 810. (1a, 2d) Spectral types of four binaries based on photometric observations.

Sion, E.M. et al. (8 authors) 2008, ApJ 681, 543. (2u) Observations of dwarf novae in quiescence: SS Aur, V442 Cen, TT Crt, TU Men, BD Pav.

Soydugan, F. 2008, Astron. Nachr. 329, 587. (5b) O-C analysis of four Algol systems hints at possible third components of RY Aqr, SZ Her, RV Lyr, V913 Oph.

Thomas, N.L., Naylor, T., Norton, A.J. 2008, A&A 483, 547. (1bi*) The decline in irradiation from the WD in old novae: V1432 Aql, DD Cir, DN Gem, V Per, WY Sge, QU Vul.

Williams, B.F. et al. (10 authors) 2008, ApJ 680, 1120. (12x*, 6b) Search of CHANDRA data for transient x-ray sources in M33.

Wolf, M., Zejda, M., de Villiers, S.N. 2008, MNRAS 388, 1836. (1ao, 5abcefg) Apical motion in southern eccentric eclipsing binaries: GL Car, QX Car, NO Pup and V366 Pup .

Woodley, K.A. et al. (9 authors) 2008, ApJ 682, 199. (1xo) 353 x-ray point sources identified in NGC 5128, most of which are LMXB's.

Proceedings of Conferences, Symposia, and Monographs

Massive Stars: Fundamentaental Parameters and Circumstellar Interactions, a conference in honour of V.S. Niemela, eds. *P. Bernaglia, G.Bosch, C.Cappa*, 2008, Rev. Mex. Astron. Astrofis. Ser. de Conf. 33, includes several papers on massive binaries.

Fourth meeting on Dynamical Astronomy in Latin America, eds. C. Allen, A. Ruelas, R. Teixeira, 2008, Rev. Mex. Astron. Astrofis. Ser. de Conf. 34, includes a few papers on binaries.

IAU Commission 42
BIBLIOGRAPHY OF CLOSE BINARIES

No. 87, December 2008

Editor-in-Chief: C.D. Scarfe

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

Phone: +01 250 721-7749
Fax: +01 250 721-7715
scarfe@uvic.ca