

Subject Index

- Abundances, 142
Accretion, 22, 33, 135, 170, 180, 265
 accretion columns, 113
 accretion poles, 274
 accretion shock, 22, 106
 accretion spot, 92, 180, 187, 276
 accretion stream, 92, 180, 251,
 258, 272
 algol-type accretor, 324
 blobby accretion, 22, 106, 142,
 265
 disc accretion, 156, 216
 onto magnetic field, 58, 208
 stream overflow, 156
 stream-fed accretion, 216
 truncated accretion disk, 8
Asynchronism, 237
Bombardment solution, 187
Brown dwarfs, 353
Buried shocks, 187
Blob-blob collision, 293
Chemical Abundance, 2
Chemically peculiar stars, 346
CNO problem, 149
Components,
 secondary star, 353
 white dwarf, 71
 white dwarf, DA, 53
Cooling function, 187
Coupling region, 272
Double degenerate systems, 324
Drag parameter, 216
Dynamo models, 300, 360
Dwarf novae, 85
Electron heating, 187
Equilibria, 8, 216
Evolution, 46, 142, 346
 of AE Aquarii, 300
Hydrodynamics, 187
Instabilities, 265
Inverse Rossby scaling, 300
Irradiated secondary, 15
Lightcurves, 279
 flares, 279
 flickering, 279
 power spectrum, 39, 128, 163,
 230
Magnetic,
 accretion, 85
 braking, 300
 moment, 216
 pumping, 307
 reconnection, 307
 timescale, 216
Magnetic field, 22, 265
 evolution, 58
 field topology, 71
 of white dwarf, 300, 346
 of secondary star, 300
 statistics, 346
Magnetic,
 moment, 216
 pumping, 307
 reconnection, 307
 timescale, 216
Mass-Transfer, 360
 thermal timescale, 8
 magnetized, 307
Modelling, 106, 208, 272
Nova,
 classical, 39, 172, 176
 magnetic, 53
Observations,
 circular spectropolarimetry, 71
 high speed photometry, 182
 imaging, 293
 photometry, 39, 92, 106, 163, 176,
 180, 182, 230, 243, 279
 polarimetry, 22, 180, 182
 spectroscopy, 15, 22, 33, 142, 163,
 180, 182, 184, 279

- spectropolarimetry, 182
- Origin, 346
- Oscillation, 170
- Outflows, 293
- Period gap, 15
- Periods,
 - beat period, 174, 230
 - DNOs, 85
 - lpDNOs, 85
 - orbital period, 39, 53, 135
 - sideband period, 243
 - spin period, 8, 39, 120, 135, 172, 216, 230
 - QPOs, 85, 172
- Plasma instability, 187
- Polars, 2, 22, 39, 55, 92, 106, 135, 163, 187, 237, 265, 324
 - asynchronous polar, 176, 230
 - eclipsing, 39, 92, 258, 276
 - high field polars, 22
 - intermediate polar, 39, 53, 120, 124, 128, 135, 178, 208, 237, 243, 324
 - low accretion rate polars, 22, 106, 201
- Population, 33
- Post-orbital period minimum CVs, 353
- Propeller mechanism, 8, 142, 279, 300, 293
- Radiation,
 - blackbody emission, 187
 - bremstrahlung, 187, 314
 - coherent, 314
 - cyclotron radiation, 22, 163, 187, 201
 - gravitational, 324
 - gravitational waves, 324
 - incoherent, 314
 - non thermal, 314
 - reprocessing of radiation, 106, 187
 - synchrotron, 307, 314
 - thermal, 314
- Radiative transfer, 187, 279
 - non-LTE, 201
 - stationary solution, 187
- Radii,
 - alvén radius, 274
 - circularisation radius, 216
- corotation radius, 216
- magnetospheric radius, 216
- Satellites,
 - BeppoSAX*, 178
 - Chandra*, 120, 124, 128, 172, 338
 - FUSE*, 184
 - HST*, 2, 92, 170, 293
 - IUE*, 2
 - ROSAT*, 92, 106
 - RXTE*, 120
 - XMM-Newton*, 92, 106, 174, 55, 276
- Shock-Drift acceleration, 307
- Soft X-ray excess, 106
- Spectra,
 - absorption lines, 53
 - emission lines, 53
 - H α , 15
 - Fe XVII, 124
 - Fe XXII, 124
 - He-like ions, R ratio, 124
 - line profiles, 142
 - line ratios, 149
 - resonance lines, 149
 - trailed, 163
 - variability, 163
- SPH, 272
- Spin-up rate, 120
- Starspots, 353
- States,
 - high states, 15, 353
 - intermediate states, 46, 92
 - low states, 2, 15, 46, 92, 243, 353
 - outburst, 243, 307
- Stellar activity, 353
- Surveys,
 - SDSS, 33
 - UCT CCD CV Survey, 39
 - XMM-Newton-MSSL Survey, 106
- SW Sex stars, 184
- Synchronisation, 216
- TOADs, 353
- Tomography techniques,
 - back projection technique, 274
 - doppler tomography, 15, 78, 251, 274
 - roche tomography, 251

- stokes imaging, 78
- stream eclipse mapping, 258
- zeeman tomography, 71
- Two fluid solution, 187
- Unipolar inductor, 324
- Van der Laan mechanism, 307
- VY Scl stars, 46
- Wavelength ranges,
 - radio, 237, 307, 314
 - infrared, 307, 314
 - multi-wavelength, 92
 - ultra-violett, 170
 - X-ray, 55, 113, 120, 124, 128, 135, 174, 178, 184, 324, 338
 - far UV, 142
- White dwarf temperatures, 2
- Winds, 293
- X-ray binaries, 85