

Subject Index

- anomalous X-ray pulsars, 231, 247, 251, 255, 265, 267, 271
 associations with supernova remnants, 231
 magnetic fields, 41, 231
 Arecibo, 49, 97, 113, 131
 ASCA, 185, 231
 ATA, 113
 ATCA, 87, 193
- Be stars, 449
 BeppoSAX, 247
 BIMA, 207
 binaries
 close, 415
 eclipsing, 131
 X-ray, 407, 449
 bow-shocks, 151, 215
- central compact objects, 97, 239, 273, 277, 289
 associations with supernova remnants, 123, 203, 225, 239
- CFHT, 247
 CGRO, 267
 Chandra, 65, 93, 97, 123, 151, 181, 185, 189, 193, 195, 199, 203, 225, 231, 247, 303, 451
 coherent radio sources, 113
 compact sources, 113
- Effelsberg, 133, 213, 329, 337, 339
 electrodynamics, 97, 143, 151, 265, 357
 EVLA, 113
- FAST, 113
- gamma-rays, 13, 97, 267, 399, 407
 GBT, 97, 131
 GLAST, 267, 399, 415
 globular clusters, 131
 GMRT, 211, 319, 337
 Gould Belt, 419
 gravitational waves, 433
- HST, 29, 189, 391
- hydrodynamics, 37
- infrared, 247, 251
 instructions, 387
 ISM
 HI, 277
 isolated neutron stars, 261, 279, 283, 289, 303, 391
- jets, 57, 179, 185
 Jodrell Bank, 337
- Kalyazin, 433, 435
 Kashima, 435
 Keck, 251
- LBA, 193
 LOFAR, 113
- Magellan, 251
 magnetars — see neutron stars: magnetars
 magnetic fields, 41, 47, 57, 167
 masers, 89, 369
 Mauritius Radio Telescope, 345
 MBRACE, 113
 MHD, 163, 171, 179
- neutron stars
 accretion, 47, 449
 atmospheres, 279, 283, 303
 cooling, 21, 39, 123, 185
 equation of state, 297
 formation, 3
 interior, 39, 193, 289, 299
 magnetars, 57, 231, 239, 247, 255, 257, 265, 267, 271
 magnetic fields, 3, 41, 231, 255, 283
 masses, 3, 49
 progenitors, 3, 29
 rotation, 3, 39
 thermal radiation, 21, 299, 303
- NTT, 247
 NVSS, 135
- Ooty Radio Telescope, 345

- optical, 13, 199, 251, 325, 373, 391
- Parkes, 97, 121, 135, 255, 415, 429
- PMN, 83
- polarimetry, 373
- pulsar wind nebulae, 77, 91, 97, 143, 151, 167, 179, 221, 407
- hydrodynamics, 151, 175
 - interactions with supernova remnants, 159, 175, 199, 213
 - relativistic outflows, 163, 171
 - spectra, 185, 207, 225
 - spectral index variations, 185, 189, 211, 213, 225
 - time variability, 151
 - wisps, 185
- pulsars, 13, 41, 91, 97, 129, 139, 185, 399
- ages, 41, 57, 77, 225, 339
 - associations with supernova remnants, 57, 77, 123
 - birth rate, 105, 121
 - braking indices, 97, 257, 425
 - catalogs, 139
 - dispersion measure variations, 435
 - displacement from center of supernova remnants, 77, 213
 - distribution, 105
 - drifting subpulses, 307, 341
 - eccentricity, 53
 - emission height, 307, 343, 375
 - emission models, 255, 271, 307, 321, 325, 349, 365, 369, 381, 383, 385, 387
 - gamma-ray, 419
 - giant pulses, 315, 319, 369
 - glitches, 193, 299
 - globular clusters, 131
 - initial periods, 185
 - interactions with pulsar wind nebulae, 211
 - magnetic fields, 41, 257
 - magnetospheres, 97, 143, 151, 357
 - millisecond, 47, 129, 135, 415, 433
 - outer gaps, 267, 373
 - parallax, 193
 - polar caps, 267, 307, 321, 365, 373
 - polarization, 135, 307, 329, 337, 377
 - precession, 299
 - proper motion, 77, 193
 - radio, 97, 307, 315, 343, 375
 - scintillation, 345, 441
 - single pulses, 307, 335, 337, 345
 - spectra, 225, 339, 385
 - spin-down, 225, 257, 425
 - statistics, 41, 105, 121, 225, 419
 - surveys, 41, 97, 121, 123, 127, 129, 131, 133, 135
 - two-pole caustic, 373
 - velocities, 3, 33, 41, 77
 - viewing geometry, 343, 375
 - winds, 143, 163, 167, 171, 185
- quarks, 299
- radio, 13, 41, 83, 91, 135, 221, 225, 335
- radio-quiet neutron stars, 123, 279
- ROSAT, 97, 225
- RXTE, 231, 335
- shock acceleration, 57, 167, 225
- shocks, 57, 151, 163, 167, 171
- reverse shock, 57, 151, 213
- simulations
- SPH, 449
- SKA, 113
- soft gamma-ray repeaters, 57, 231, 255, 265, 267, 271
- associations with supernova remnants, 57, 231
- spectroscopy, 57, 331
- strange stars, 299, 303
- sub-millimeter, 57
- supernova remnants, 57, 77, 83, 85, 91, 93, 123, 221, 225, 407
- associations with anomalous X-ray pulsars, 57
 - associations with pulsars, 57, 77, 97
 - associations with soft gamma-ray repeaters, 57
 - bremsstrahlung, 57
 - expansion, 69
 - HI 21 cm line, 85

- interactions with molecular clouds,
 - 71, 73, 85
- interactions with pulsar wind nebulae, 151, 213
- Magellanic Clouds, 57, 87, 93, 231
- morphology, 57, 65
- shell, 57, 77, 83, 89
- spectroscopy, 57, 65
- statistics, 83
- surveys, 85
- synchrotron emission, 57, 73, 185
- supernovae, 29
 - optical, 29
 - progenitors, 29
- synchrotron emission, 57, 195, 225, 385
 - break frequency, 207, 213
- timing, 49, 425, 427, 429, 431, 433, 435, 437
 - noise, 431
 - phase-coherent, 231, 425
- Toruñ, 441
- transient radio sources, 113
- unidentified gamma-ray sources, 407
 - associations with pulsars, 97, 415
- University of Tasmania's Mount Pleasant Radio Observatory, 335
- VLA, 91
- VLT, 247, 391
- Westerbork, 325
- X-ray binaries, 219, 447, 449
 - Galactic Center, 451
- X-rays, 13, 39, 41, 57, 93, 123, 131, 185, 221, 225, 247, 315, 331, 335, 387, 421
 - instrumentation, 421
- XMM-Newton, 57, 73, 185, 215, 225, 231, 247, 273, 283, 331, 451