

Subject Index

- accretion, 497, 533, 537
- AOS, 27
- ASCA, 347, 367
- astrometry, 25, 61, 111, 113, 115, 117, 125
- atomic time scales, 25, 61, 113
- baseband recording, 21, 211
- Bayesian analysis, 55
- Be stars, 501
- beaming, 55, 221, 227, 287
- binary pulsars, 11, 51, 123, 303, 497, 501, 509, 513, 517, 521, 523, 525, 533, 535, 539, 541
- birefringence, 253
- Carina Arm, 479
- Cerenkov telescope, 339
- CGRO, 307, 315, 331, 357
- clocks, 73
- cluster analysis, 57
- clusters, 541
- coherent de-dispersion, 21, 23
- Compton scattering, 159, 175, 183, 225, 261
- computation, 429
- correlations, 49
- Crab Nebula, 177, 363, 387, 421
- Crab pulsar, 23, 87, 107, 179, 183, 193, 283, 297, 301, 307, 339, 363
- death line, 189
- debate, 555
- depolarisation, 253, 261, 483
- diffraction, 481
- digital lens, 19
- dispersion, 13, 65, 439, 447
- Dispersion Measure, 87
- distances, 479
- double layers, 181
- dynamics, 509, 541
- eclipsing binary pulsars, 517, 523
- EGRET, 307, 357, 363
- emission heights, 13, 267, 287
- emission mechanisms, 139, 147, 155, 159, 163, 167, 171, 175, 177, 183, 187, 189, 197, 205, 213, 227, 257, 315, 323, 331
- emission region, 217
- EUV emission, 291
- evolution, 39, 51, 555
- FFT, 19
- filterbanks, 17
- Galactic magnetic field, 485
- gamma rays, 183, 193, 307, 315, 323, 331, 339, 355, 357, 359, 361, 363
- gap formation, 175
- Geminga, 291, 307, 331, 339
- General Relativity, 123, 125, 127, 133, 135, 417, 513
- geometry, 229
- giant pulses, 179, 209, 211
- glitches, 73, 97, 103
- globular clusters, 231, 523, 525
- gravitation, 513
- gravitational radiation, 132
- gravitational waves, 129
- Gum Nebula, 479
- HI, 479
- HST, 301, 497
- infrared emission, 183
- instrumentation, 25
- interference fringes, 471
- interferometry, 431
- interpulses, 193
- ISM, 13, 447, 455, 459, 469, 471, 475, 481, 485
- jets, 347, 367
- kinematics, 31, 49, 55, 55, 359, 545
- lensing, 125, 127
- linear acceleration emission, 181
- luminosities, 59
- MACHOs, 125
- magnetic field decay, 47

- magnetic fields, 13, 39, 49, 107, 229,
 249, 355, 433, 435, 533, 537
 magnetospheres, 323, 409, 429, 431,
 433, 475
 masers, 181
 microstructure, 163, 171, 187, 197,
 209, 211
 Millisecond Pulsars, 3, 27, 51, 65,
 91, 95, 189, 231, 245, 249,
 303, 497, 517, 521, 523, 525,
 533, 539, 545, 555
 mode changing, 223, 225
 mode separation, 227, 263
 multipoles, 13, 249

 nanostructure, 197
 nebulae, 55, 367, 425

 optical emission, 183, 299
 optical photometry, 297

 pair creation, 177, 409
 pair plasma, 387, 421, 425
 pair plasmas, 155, 171
 parallax, 117
 particle acceleration, 107, 177, 361,
 387, 409
 period relation, 231
 photon splitting, 355
 planets, 91
 plasma instabilities, 147
 polar caps, 189
 polarimetry, 23, 245, 267
 polarisation, 13, 193, 213, 223, 227,
 227, 227, 249, 257, 261, 263,
 265, 301, 483
 population synthesis, 47, 53
 precession, 101
 proper motion, 53, 117
 PSR B0329+54, 115, 117, 217, 473
 PSR B0531+21, 23, 87, 107, 179,
 183, 193, 283, 297, 301, 339,
 363
 PSR B0540-69, 107, 299, 301, 331
 PSR B0655+64, 489
 PSR B0656+14, 291, 367
 PSR B0820+02, 489
 PSR B0823+26, 263
 PSR B0833-45, 21, 97, 101, 103,
 193, 363, 367, 375, 459
 PSR B0834+06, 471, 475

 PSR B0943+10, 223, 257
 PSR B0950+08, 193, 253, 477
 PSR B1046-58, 367
 PSR B1055-52, 307, 363
 PSR B1133+16, 147, 253, 463, 475
 PSR B1237+25, 475
 PSR B1257+12, 91
 PSR B1259-63, 193, 363, 501
 PSR B1509-58, 107, 307, 315, 331,
 351, 355, 367, 375
 PSR B1534+12, 513
 PSR B1610-50, 367
 PSR B1620-26, 525
 PSR B1706-44, 307, 339
 PSR B1744-24A, 523
 PSR B1800-21, 375
 PSR B1800-27, 123
 PSR B1821-24, 469
 PSR B1822-09, 193
 PSR B1855+09, 132
 PSR B1919+21, 475
 PSR B1929+10, 227, 367
 PSR B1937+21, 23, 27, 87, 111, 115,
 209, 469
 PSR B1951+32, 307, 367
 PSR B1953+29, 303
 PSR J0034-0534, 497
 PSR J0045-7319, 509, 531
 PSR J0437-4715, 163, 179, 211, 213,
 249, 291, 363, 489
 PSR J0621+1002, 539
 PSR J0751+1807, 521
 PSR J1012+5307, 489
 PSR J1022+1001, 497, 539
 PSR J1518+4904, 11
 PSR J1713+0747, 123, 497
 PSR J2019+2425, 497
 PSR J2051-0827, 517
 PSR J2145-0705, 285
 PSR J2145-0750, 497, 539
 PSR J2317+1439, 513
 pulse broadening, 253
 pulse profiles, 215, 217, 221, 231,
 263, 283, 285
 pulse width, 231

 radio spectra, 271
 reference frames, 115
 refraction, 431, 439, 455, 463, 469,
 471

- ROSAT, 347
rotation measure, 485
- S2, 21
scattering, 13, 439, 447, 455, 459,
471, 473, 475
scintillation, 431, 439, 455, 463, 469,
473, 477, 481
self-organized criticality, 179
shocks, 55, 177, 421, 425
signal processing, 65
single pulses, 221, 257
spectra, 13, 59, 167, 183, 215, 285
spectroscopy, 489
spin-orbit coupling, 531
stability, 65
strange stars, 133, 135
sub-millisecond pulsars, 25
supernova remnants, 351, 375, 385
supernovae, 51, 55, 351, 359, 385
surveys, 3, 11, 13, 15, 17, 19, 25,
375
- timing, 23, 25, 61, 65, 87, 91, 95,
97, 101, 103, 107, 113, 123,
125, 127, 129, 132, 439, 509
timing noise, 73
triple system, 525
turbulence, 205, 439
- UV emission, 291, 301
- variability, 101, 357, 477
Vela, 347
Vela pulsar, 21, 97, 101, 103, 193,
307, 363, 367, 375, 459
velocities, 31, 49, 51, 53
VLBA, 115
VLBI, 21, 111, 115, 117
- WENSS, 15
white dwarfs, 489, 497
winds, 55, 177, 387, 409, 417, 421,
425, 433
- X-rays, 183, 299, 315, 323, 331, 347,
351, 367, 521, 533, 535, 537