

Subject Index

- accretion, 143, 159, 177
- accretion disk, 214, 403
- accretion rates, 149
- adaptive optics, 229, 307, 313, 323, 373, 417
- ALFA, 308
- ALMA, 22, 91, 382, 442, 464
- AMBER, 294
- ambipolar diffusion, 51, 83, 397
- astrometry, 436
- ATCA, 22, 275

- Bart Simpson, 135
- BIMA, 20, 87, 98
- BIMA SONG, 120
- binary star, 386, 417
- birthline, 148
- Bonner-Ebert spheres, 30, 55
- Bracket gamma, 127
- brown dwarf, 261, 468

- CARMA, 22
- CCS, 67, 84
- CH₃OH, 60, 192
- CH₃OH masers, 137
- Chandra, 247
- Chandrasekhar-Fermi method, 85
- chemistry, 33, 60, 67
- CIAO, 313
- cluster birthrate, 6
- cluster formation, 37
- cluster lifetime, 7
- cluster mass function, 5
- clustering, 162
- clusters, young, 238, 257
- CN, 84
- CO, 33, 119, 194, 346, 411
- CO, H₂ ratio, 23
- CO, isotope, 76, 346
- CO, polarized, 88
- CO, redshift, 23
- coalescence, 162, 177
- compression, 143
- cores, 29, 43, 51, 67, 170
- cores, density structure, 30, 47
- cores, kinematics, 31
- cores, magnetic flux, 482
- cores, temperature, 46
- coronagraph, 449
- CS, 79, 172

- depletion, 33, 67
- deuterium, 71, 279
- differential imaging, 309, 325
- disk, 10, 157, 164, 176, 276, 472
- disk lifetime, 11
- disk model, 385, 390, 403, 412
- disk, chemistry, 411
- disk, circumstellar, 304, 381, 425, 441
- disk, convection, 396
- disk, debris, 26, 444, 449
- disk, evolution, 395
- disk, magnetic coupling, 397
- disk, protoplanetary, 25, 262, 361, 373, 389, 411, 421, 466
- dust continuum, 173
- dust opacity, 143
- dust properties, 145
- dust, radiation, 483

- early universe, 23, 114
- ELT, 484
- embedded clusters, 4
- extragalactic star formation, 107, 119, 125
- extremely large telescopes, 476

- filament, 362
- filament, cloud, 205
- finder missions, 475
- flashlight effect, 146
- fragmentation, 205, 213, 258

- galaxy mergers, 112
- Gemini, 337
- GMCs, 23

- H¹³CO⁺, 37, 194, 346
- H₂D⁺, 33

- H_2O masers, 136, 156
 Hall effect, 397
 $\text{H}\alpha$, 339
 HC_3N , 192
 HCO^+ , 33, 172, 349
 HCOOCH_3 , 196
 Herbig Ae/Be star, 162, 297, 302, 308, 389, 411
 Herbig-Haro flow, 224, 333
 Herbig-Haro jet, 252
 Herbig-Haro, giant flows, 343
 HMC, 174, 181
 HMPO, 181
 hot cores, 59, 192
 Hubble Space Telescope, 231, 333, 336, 373, 417, 449

 IMF, 37, 44
 infall, 31, 75, 172
 initial mass function, 237, 257, 265, 471
 instability, 395
 integral field unit, 337
 interferometry, 19, 482, 483
 intermediate mass stars, 161
 ISO, 215, 390

 JCMT, 26, 98
 jet, 175, 334, 375, 420, 425
 jet, magnetically driven, 399
 jet, origins, 338

 Keck, 340
 Keck interferometer, 301

 LOFAR, 461

 magnetic field, 35, 49, 83, 97, 203, 352, 362, 396
 magneto-rotational instability, 399
 masers, 133, 156
 massive star formation, 59, 134, 142, 155, 169, 191
 methanol maser, 277
 MHD, 351
 MIDI, 295
 mid-IR imaging, 182
 mm-interferometry, 191, 215, 381
 molecular outflow, 193, 219
 multiplicity, 223, 229
 multiplicity, jets, 342

 N_2H^+ , 33, 67
 NACO, 309, 324
 NH_3 , 33
 NII, 340
 NMA, 20
 nuclear starbursts, 110
 nulling interferometry, 436
 numerical simulations, 484

 OH, 84
 OH masers, 138
 Ohmic diffusion, 397
 optical forbidden lines, 354
 optical/IR interferometry, 433, 474
 outflow, 158, 175, 345, 351, 467
 OVRO, 20

 PdBI, 20
 planet detection, 473
 planet formation, 441, 455
 planet, extrasolar, 446
 polarimetry, 97
 polarization, 84
 pre-main sequence star, 213, 223, 229, 418
 proper motion, 157
 proplyd, 337, 375
 protocluster, 265
 protostar, 201, 215, 247, 364, 433, 468
 protostar evolution, 148
 protostar, binary, 213, 223, 262
 protostar, multiple, 213, 223
 protostellar core, 201, 217, 362
 public speaking, 481

 quotations, 485

 radiation pressure, 143
 radio continuum, 355

 Schmidt law, 122
 Science in the Pub, 485
 SCUBA, 87, 98
 SED, 182
 SFE, 8
 SII, 334, 338
 SiO, 194
 SiO masers, 156
 SIRTf, 26, 379
 SKA, 22, 91, 463

SMA, 79, 195, 283
SO, 62
SO₂, 62, 192
SPH, 482, 484
spiral density waves, 108
star formation efficiency, 51
starburst rings, 112
super star clusters, 125

T Tauri star, 298, 303, 382, 403, 411
transit missions, 474
turbulence, 51, 83, 143, 202, 257,
362, 482

VLA, 20, 86, 126, 342
VLBI, 135
VLT, 293

water vapour, atmosphere, 21

X-ray emission, 247
X-wind, 352, 482

young stellar object, 425, 436

Zeeman imaging, 468
Zeeman splitting, 84, 135
zero-spacing flux, 21, 24