

INDEX OF SUBJECTS

- Accuracy
 in computation of general theories 6
- Asteroid
 system Jupiter-Sun- 137-143
- Asteroidal planet 89-99
- Boundary value problem
 exterior 175-176
- Cassini's laws 130-132
- Comets
 long period 89-99, 101-107
 origin of 89-99
- Convergence
 problem of 5-6
- Earth
 contraction of 87
- Ecliptic
 obliquity of 9
- Elliptical coordinates 15-32
- Ephemerides 4, 77-85
- Four body problem 273-279
- Fictitious time 149-156
- Galactic field 95
- General theory
 elliptical variables in 15-32
 iterative procedures in 49-52
 rectangular coordinates in 33-48
- Gravitational constant
 secular change in 12-13
- Gravity anomaly 240
- Hamiltonian systems 159-173,
 191-198
- Hamiltonian theory 125-135,
 149-156
- Harmonic oscillator
 perturbed 162-166
- Hilda 141-143
- Inverse distance 61, 177
- Iterative procedures 48-52, 80
 convergence in 77-85
- Jupiter,
 mean equator of 216-219
 motion of pole of 219-221
 satellites of 189-206, 207, 209-236
 shape actions of 214-216
 system Sun-Saturn- 53-55
- Lagrange equations 305-314
 integration of 57ff, 66, 78, 184
- Latitude residuals 6-8
- Long period perturbations 57-64,
 77-85, 240
- Missing planet 89-90, 101-107
- Molodensky problem 175-176
- Moon
 apparent acceleration of 87
 libration of 125-135
 observational data of 12-13
 planetary perturbations of 113-124
- N-body problem 263-281
- Numerical integration 77-85, 159-173
- Opposition effect 8-9
- Optical observation 11
- Orbiter
 of a satellite 181-188
- Orbits
 high inclination 90
 retrograde 90
 three-dimensional asymmetric 315-317
- Ovenden's hypothesis 89-90

- Perturbation
 - of a satellite orbiter 181-188
 - plane restricted 319-323, 357-369
 - restricted 283, 305-314
- Planetary theory
 - Leverrier's 3, 4
 - observational data and 3-14
 - Newcombe's 3, 4
 - third-order in mass 65-75
- Planetoids
 - long period; evolution of 91
- Pluto
 - ephemeris of 4
 - motion of 4, 10
- van der Pol problem 160, 166-172

- Radar observation 11
- Rectangular coordinates 15-32
- Retrograde orbits 90

- Saturn
 - satellites of 236, 237, 238
 - system Asteroid-Jupiter- 137-143
 - system Jupiter-Sun- 53-55
- Satellites
 - artificial 241-257, 259
 - retrograde 285-303
 - rigid body 305-315
- de Sitter's theory 189-206
- Solar system
 - periodic planetary orbits in 263-281
- Spacecraft observation 11
- Stellar encounter 95
- Stroboscopic method 181-188
- Sun
 - perturbation of Jupiter I-IV by 221-222
 - perturbation of Saturnian satellites by 237
 - system Asteroid-Jupiter- 137-143
 - system Jupiter-Saturn- 53-55
- Sun-selection
 - of long period comets 93

- Three body problem
 - circular restricted 139-141
 - elliptic restricted 138-139, 325-331, 333-337, 339-353
 - general 265-273
 - gravitational restricted 285-303
- Time, fictitious 149-156
- Titius-Bode law 89-90
- Trojan asteroids 145
- le Verrier's theory 15-32, 65-75, 77-79