

SUBJECT INDEX

- Accumulation 45, 71, 261
- Asteroid
 - Amor 19, 129, 149, 173, 279
 - Apollo 19, 115, 129, 143, 149, 173, 279, 343
 - Aten 149
 - belt 19, 45, 71, 261
 - family 173, 353
 - Griqua group 149
 - Hilda 215
 - main-belt 149, 173
 - Trojan 149
- Asteroids
 - 1 Ceres 149
 - 2 Pallas 149
 - 279 Thule 149, 365
 - 624 Hektor 149
 - 721 Tabora 215
 - 772 Tanete 415
 - 944 Hidalgo 149, 279, 365
 - 1362 Griqua 365
 - 1373 Cincinnati 149
 - 1921 Pala 365
 - 1922 Zulu 365
 - 1939 TN 279
 - 1967 EU 149
 - 1975 XL4 149
 - 1977 YA 149
 - 1979 VA 279
 - 1981 FD 149
 - 1982 YA 149, 279, 343
 - 1983 LC 149
 - 1983 SA 149, 279, 343, 365
 - 1983 TB 115, 143, 149, 279, 343
 - 1983 VA 149
 - 1983 XF 149, 279, 343, 365
 - 1984 AB 149
 - 1984 BC 149, 279, 343
 - 2060 Chiron 3, 149, 261, 279
 - 2101 Adonis 149
 - 2201 Oljato 149
 - 5025 P-L 279
 - 6344 P-L 149
 - 6433 P-L 279
- Carbonaceous chondrite 149
- Comet
 - belt 45
 - capture 11, 87, 129, 149, 237, 243, 279, 319, 399
 - diffusion 71, 237, 243
 - extinct 149, 279
 - fading 279, 311
 - intermediate period 19, 105
 - interstellar 19, 243
 - long-period 11, 19, 31, 45, 71, 105, 129, 149, 237, 243, 279, 311, 353
 - new 11, 45, 71, 87, 97, 105, 129, 149, 261, 279, 311
 - old 105, 149, 311
 - origin 3, 11, 19, 31, 45, 71, 87, 105, 149, 173, 237, 243, 279, 311
 - short-period 19, 71, 87, 97, 129, 149, 203, 227, 243, 261, 279, 303, 319, 343, 353, 365, 371, 389
 - shower 87
 - splitting 279, 319
 - Sun-grazer 149, 353
- Comets
 - Arend-Roland 279
 - Bowell 185
 - P/Arend 343, 371
 - P/Arend-Rigaux 149, 343
 - P/Ashbrook-Jackson 319, 343
 - P/Biela 279, 343, 371
 - P/Boethin 149
 - P/Borrelly 303, 343, 371, 415
 - P/Bowell-Skiff 319
 - P/Brooks 1 319
 - P/Brooks 2 237, 243, 279, 319, 343, 371

- P/Brorsen 279, 343, 371
 P/Brorsen-Metcalf 343
 P/Bus 319
 P/Chernykh 319
 P/Churyumov-Gerasimenko 343, 415
 P/Clark 319, 343
 P/Comas Solá 343, 371
 P/Crommelin 303, 343
 P/Daniel 343, 371
 P/d'Arrest 237, 279, 343, 371, 415
 P/Denning-Fujikawa 129, 279, 343
 P/de Vico-Swift 203, 237, 319, 343
 P/du Toit 319
 P/du Toit-Hartley 279, 343
 P/du Toit-Neujmin-Delporte 319, 343
 P/Encke 19, 115, 129, 149, 203, 261, 279, 319, 343, 371, 381, 415
 P/Faye 279, 343, 371
 P/Finlay 129, 343, 371
 P/Forbes 319, 343, 371
 P/Gale 343
 P/Gehrels 1 319
 P/Gehrels 2 319
 P/Gehrels 3 149, 243, 261, 319
 P/Giacobini-Zinner 115, 343, 371, 381, 405, 415
 P/Grigg-Skjellerup 129, 343, 371
 P/Gunn 261, 343
 P/Halley 115, 129, 149, 203, 261, 279, 343, 371, 389, 399, 405, 415
 P/Haneda-Campos 319
 P/Harrington 343
 P/Harrington-Abell 343
 P/Harrington-Wilson 319
 P/Hartley-IRAS 261
 P/Herschel-Rigollet 237, 319
 P/Holmes 279, 343
 P/Honda-Mrkos-Pajdusáková 343, 371, 415
 P/Howell 319
 P/IRAS 319
 P/Jackson-Neujmin 343, 371
 P/Johnson 343, 371
 P/Kearns-Kwee 237, 243, 319, 343
 P/Kopff 203, 279, 319, 343, 371, 415
 P/Kowal-Vávrová 319
 P/Lexell 129, 237, 243, 261, 319
 P/Mellish 115
 P/Neujmin 1 149, 319, 343
 P/Neujmin 2 279, 343
 P/Neujmin 3 237, 261, 279, 319, 343
 P/Olbers 237, 343, 371
 P/Oterma 149, 203, 237, 243, 319, 343
 P/Perrine-Mrkos 279, 343, 371
 P/Peters-Hartley 279, 343
 P/Pigott 319
 P/Pons-Brooks 343
 P/Pons-Winnecke 279, 319, 343, 365, 371
 P/Reinmuth 1 343, 371
 P/Reinmuth 2 319, 343
 P/Schaumasse 343, 371
 P/Schwassmann-Wachmann 1 149, 261, 343
 P/Schwassmann-Wachmann 2 343, 371
 P/Schwassmann-Wachmann 3 243, 279, 343
 P/Shajn-Schaldach 203, 227, 319, 343
 P/Slaughter-Burnham 149, 343
 P/Smirnova-Chernykh 149, 319, 343
 P/Stephan-Oterma 237, 279, 343
 P/Swift-Gehrels 279, 343
 P/Swift-Tuttle 129
 P/Taylor 279, 343
 P/Tempel 1 319, 343, 415
 P/Tempel 2 343, 371, 415
 P/Tempel-Swift 319, 343, 371
 P/Tempel-Tuttle 115, 129, 319, 343, 371
 P/Tritton 319
 P/Tsuchinshan 1 319, 343
 P/Tsuchinshan 2 319, 343
 P/Tuttle 261, 279, 343, 371
 P/Tuttle-Giacobini-Kresák 279, 343, 371, 415
 P/Väisälä 1 343
 P/Van Biesbroeck 261, 279, 319, 343
 P/West-Kohoutek-Ikemura 243, 319

- P/Westphal 279, 343, 415
 P/Whipple 237, 279, 303, 319
 343, 371
 P/Wild 1 279, 319
 P/Wild 2 319, 415
 P/Wilk 203, 319
 P/Wirtanen 343, 371
 P/Wolf 243, 279, 343, 371
 P/Wolf-Harrington 319, 343, 371
 1532 353
 1661 353
 1668 353
 1729 149
 1770 II 353
 1790 III 353
 1843 I 353
 1846 V 353
 1859 279
 1880 I 353
 1881 IV 353
 1882 II 149, 353
 1887 I 353
 1897 III 279
 1898 X 353
 1903 I 279
 1911 VI 353
 1926 III 279
 1945 VII 353
 1954 II 279
 1957 IX 279
 1963 V 353
 1965 VIII 353
 1970 II 279
 1970 VI 353
 1973 VII 353
 1973 XII 279
 1974 XV 279
 1975 IX 279
 1976 VI 279
 1978 XV 279
 1979 I 279
 1979 X 353
 1979 XI 353
 1980 XII 279
 1981 I 353
 1981 XIII 353
 Cratering record 19, 31, 45, 71,
 87, 181
 Distribution of original
 1/a values 11, 45, 71, 311
 Dust grains 3, 19, 279
 Encounters
 close 3, 31, 45, 97, 115, 143,
 185, 203, 215, 227, 237, 243,
 261, 279, 304, 319, 343, 365,
 371, 389
 nebular 31, 149, 279
 planetary 3, 149, 179, 279
 stellar 45, 71, 279
 Ephemerides 115
 Fireball 115
 Gravitational instability 19
 Hyperbolic ejection 3, 31, 87, 97,
 129, 261, 279
 Holetschek effect 11, 71
 Inner cloud 19, 31, 45, 87, 149,
 279
 Integration of orbits 185, 203,
 227, 261
 Integrator 185, 203
 Interstellar
 capture 19, 31, 71, 97, 149
 medium 11, 19, 31, 71, 97, 149
 Jupiter satellites 87, 149, 319
 Kirkwood gaps (cometary) 319
 Kreutz group 105, 279, 353
 Libration 149, 203, 261, 279, 319,
 365, 399
 Lightcurve 140, 343
 Magnitude 71, 129, 279
 Mass loss 279
 Meteorite 19
 Meteorites
 Allende 19
 Tunguska 19
 Meteoroid 115, 129, 181, 279, 343
 Meteor shower 115, 129, 279, 399
 Meteor stream 115, 129, 143, 149,
 179, 261, 279, 353
 Meteor streams
 Andromedids 115
 Arietids 19

- Meteor streams
 Delta Aquarids 115, 129
 Draconids 115, 129, 405
 Eta Aquarids 115, 129, 399
 Geminids 115, 129, 143, 149, 279, 343
 Leonids 115, 129
 Lyrids 129
 Orionids 115, 129, 399
 Pegasids 115
 Perseids 129
 Quadrantids 115, 129, 179
 Taurids 19, 115, 129
 Ursids 129
- Molecular clouds 11, 19, 31, 45, 71, 87, 105, 149, 261, 279, 311
- Moon 19, 87, 405
- Multi-stage capture 243, 261
- N-body
 model 365
 problem 115, 227
- Neptune satellites 243
- Nongravitational forces 45, 71, 129, 143, 149, 203, 227, 237, 279, 303, 343, 371, 381, 389, 405, 415
- Numerical
 integrations 45, 143, 149, 185, 203, 215, 227, 243, 261, 279, 303, 343, 365, 371, 389, 399
 methods 115, 143, 149, 185, 215, 227, 237, 243, 303, 365, 371, 381
 simulations 71, 97, 243, 261
- Oort cloud 3, 11, 19, 31, 45, 71, 87, 97, 105, 149, 261, 279, 311
- Orbit
 asteroidal 149, 279
 chaotic 215, 261, 365
 cometary 149, 237, 279
 evolution 3, 11, 203, 237, 261, 303, 371
 hyperbolic 45, 237, 243, 261, 311, 319
 horseshoe 261
 nearly parabolic 45, 71, 129, 149, 237, 261, 279, 311
 nearly tangent 261
 retrograde 45, 71
- Outburst 149, 381
- Perihelion
 distance 45, 71, 87, 97, 105, 129, 149, 179, 203, 227, 237, 261, 279, 303, 319, 343, 353, 365
 points 11, 45
- Perturbations
 galactic 45
 planetary 11, 19, 45, 87, 97, 115, 129, 143, 185, 215, 237, 243, 261, 279, 303, 311, 365, 371, 389, 399, 415
 stellar 19, 31, 45, 71, 87, 97, 243, 261, 311
- Planetary families of comets 149, 237, 243, 261, 279, 353
- Planetesimals 3, 19, 71, 87, 261
- Planets
 Earth 3, 19, 71, 87, 115, 129, 143, 237, 243, 319, 343, 365, 371, 389, 399, 405, 415
 inner 3, 19, 71, 149, 203, 319
 Jupiter 3, 11, 19, 45, 71, 87, 97, 115, 143, 149, 179, 185, 203, 227, 237, 243, 261, 279, 303, 319, 343, 365, 371, 389
 Mars 149, 237, 243, 343, 365, 371, 389
 Mercury 143, 343, 365, 371
 Neptune 3, 19, 31, 45, 71, 87, 203, 237, 243, 261, 319, 343, 365, 371, 389
 outer 3, 185, 371, 389
 Pluto 203, 237, 243, 261, 319, 343, 365, 371
 Saturn 71, 87, 97, 181, 185, 203, 237, 243, 261, 279, 319, 343, 353, 365, 371, 389
 Uranus 3, 19, 31, 71, 87, 203, 237, 243, 261, 279, 319, 343, 365, 371, 389
 Venus 143, 237, 243, 343, 365, 371, 389
- Poynting-Robertson effect 115
- Radiation pressure 45, 115

- Resonance 115, 143, 149, 179, 203,
215, 243, 279, 319, 365
- Rotation rates 149, 173, 343
- Saturn satellites 181, 319
- Solar apex 11, 45
- Solar companion 45, 71, 87
- Space missions
- EURECA 115
 - GIOTTO 415
 - ICE 405, 415
 - IRAS 115, 149
 - ISEE-3 405
 - Planet A 415
 - VEGA 415
- Sphere of action 237, 243
- Sphere of influence of Sun
19, 31
- Temporary satellite captures 149,
203, 243, 261, 319
- Three-body
- problem 45, 149, 185, 261, 365
 - restricted model 215
- Tisserand invariant 149, 203, 227,
261, 319, 353, 365
- Two-body
- encounter model 3
 - problem 343
- Zodiacal dust cloud 19