

PAIRS OF QUASICOMPLANAR ASTEROIDS CONSIDERED
WITH RESPECT TO MUTUAL INCLINATION OF THEIR ORBITS

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Quasicomplanar asteroids are those which move in an almost common plane. Previously we have determined (1) pairs (j, k) of such asteroids by means of a criterion for quasicomplanarity of their orbits, which consisted in that absolute values of differences of the longitudes of ascending nodes $\Delta\Omega = |\Omega_k - \Omega_j|$ and inclinations $\Delta i = |i_k - i_j|$ must be simultaneously less than a given value having 1".000 for the upper limit.

We have made use here of a new and, for our mind, highly convenient method of determining quasicomplanarity. It was natural to take the mutual inclination I of the orbits of asteroids, for which we took, as the maximum upper limit, the value $0^\circ.500$. Besides the values for I , tabulated are corresponding values of $\Delta\Omega$ and Δi , for comparison.

The computation was made by means of Napier's analogies applied to the corresponding spherical triangle (fig. 1)

$$\begin{aligned} \operatorname{tg} \frac{u_k + u_j}{2} &= \sin \frac{i_k + i_j}{2} \operatorname{cosec} \frac{i_k - i_j}{2} \operatorname{tg} \frac{\Omega_k - \Omega_j}{2}, \\ \operatorname{tg} \frac{u_k - u_j}{2} &= -\cos \frac{i_k - i_j}{2} \operatorname{sec} \frac{i_k + i_j}{2} \operatorname{tg} \frac{\Omega_k - \Omega_j}{2}, \\ \operatorname{tg} \frac{I}{2} &= -\sin \frac{u_k - u_j}{2} \operatorname{cosec} \frac{u_k + u_j}{2} \operatorname{tg} \frac{i_k + i_j}{2}. \end{aligned}$$

As mutual inclination of the pair (j, k) of orbits can be, at most, of $0^\circ.500$ in our discussion, we have that $\operatorname{tg} \frac{I}{2}$ from last formula was always taken positive. When $|\Omega_k - \Omega_j|$ exceeded 180° , we took for $\Delta\Omega$ the value $360^\circ - |\Omega_k - \Omega_j|$, owing to the fact that use was made, in the computation, of the shortest distance of orbital nodes, which was tabulated for found pairs.

Values for Ω and i for numerated asteroids were taken from (2). The computation was not made for the circular orbit of asteroid 330 and for the orbit of asteroid 864, which is identical with the one of the asteroid 1078.

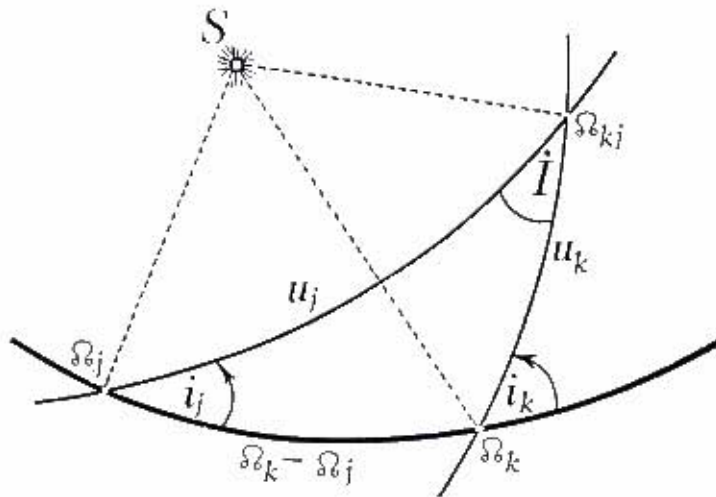


Fig. 1

In Table I are given found pairs, 2166, of quasicoplanar asteroids, whose mutual inclination of orbital planes does not exceed $0^{\circ}.500$. Given are also values for $\Delta\Omega$, Δi and I for these pairs in units of the third decimal of a degree.

Table II contains 806 pairs of quasicoplanar asteroids for which $I \leq 0^{\circ}.300$.

Table III contains 80 pairs of asteroids whose mutual inclination of orbits satisfy the condition $I \leq 0^{\circ}.100$.

For the three tables obtained it was necessary to analyse $3C_2^{1794} = 4824963$ combinations of numerated asteroids, which was performed by the Computer Center of the Mathematical Institute in Belgrade, on IBM 360/44.

In each of these tables we have a notably greater number of pairs than those in (1), which is a consequence of the new criterion. Quasicoplanarity can exist even in the case when the nodes of orbits are rather distant from each other and orbital inclinations with the ecliptic plane are sufficiently small, which is geometrically justified. There was not possible to take this fact in account with the previously used criterion in (1); the consequence being also a great difference between the numbers of pairs found by the two different criteria.

These pairs can be useful in further study of quasicoplanar asteroids and for a better information about the structure of the asteroidal ring.

TABLE I

| Numbered Asteroids | | ΔQ_1 | N | I | Numbered Asteroids | | ΔQ_1 | Δi | I |
|--------------------|------|------------------------|-----|-----|--------------------|------|------------------------|------------|-----|
| j | k | $0^{\circ}.001 \times$ | | | j | k | $0^{\circ}.001 \times$ | | |
| 3 | 314 | 408 | 436 | 445 | 24 | 1074 | 2605 | 91 | 98 |
| 4 | 1391 | 686 | 478 | 486 | 24 | 1128 | 22692 | 258 | 434 |
| 5 | 53 | 2266 | 190 | 281 | 24 | 1462 | 10133 | 256 | 300 |
| 5 | 301 | 1166 | 459 | 470 | 24 | 1669 | 16315 | 230 | 339 |
| 5 | 933 | 89 | 194 | 194 | 24 | 1686 | 26503 | 115 | 344 |
| 6 | 357 | 418 | 316 | 334 | 26 | 343 | 6349 | 294 | 479 |
| 7 | 882 | 486 | 485 | 487 | 26 | 1202 | 5376 | 171 | 368 |
| 7 | 1181 | 1449 | 63 | 153 | 26 | 1378 | 2035 | 38 | 133 |
| 7 | 1365 | 712 | 441 | 446 | 27 | 1156 | 4198 | 162 | 196 |
| 9 | 553 | 3378 | 190 | 375 | 27 | 1784 | 471 | 111 | 112 |
| 9 | 1185 | 2927 | 121 | 312 | 27 | 1789 | 7285 | 392 | 452 |
| 10 | 549 | 6308 | 153 | 454 | 28 | 282 | 290 | 394 | 387 |
| 10 | 763 | 4564 | 272 | 416 | 28 | 783 | 2390 | 102 | 402 |
| 10 | 985 | 5204 | 256 | 440 | 29 | 224 | 3113 | 234 | 399 |
| 10 | 1643 | 3939 | 279 | 376 | 29 | 308 | 1410 | 380 | 410 |
| 10 | 1785 | 1897 | 38 | 131 | 29 | 711 | 650 | 2 | 69 |
| 11 | 113 | 1872 | 410 | 439 | 29 | 902 | 3254 | 306 | 467 |
| 11 | 288 | 4661 | 295 | 468 | 29 | 1121 | 2042 | 73 | 230 |
| 11 | 1562 | 4091 | 252 | 422 | 30 | 228 | 5579 | 444 | 498 |
| 11 | 1577 | 1863 | 272 | 309 | 30 | 1007 | 165 | 450 | 450 |
| 11 | 1648 | 5157 | 72 | 419 | 30 | 1740 | 11081 | 76 | 405 |
| 12 | 284 | 1575 | 300 | 375 | 32 | 1060 | 819 | 481 | 488 |
| 12 | 1199 | 839 | 374 | 394 | 32 | 1328 | 4201 | 273 | 491 |
| 12 | 1760 | 1832 | 23 | 267 | 33 | 73 | 1112 | 474 | 476 |
| 13 | 735 | 321 | 271 | 286 | 33 | 91 | 2214 | 207 | 221 |
| 14 | 629 | 846 | 210 | 250 | 33 | 208 | 3508 | 137 | 177 |
| 15 | 1547 | 1542 | 56 | 318 | 33 | 435 | 14355 | 71 | 472 |
| 16 | 885 | 1321 | 195 | 208 | 33 | 1204 | 722 | 17 | 29 |
| 16 | 1004 | 3910 | 132 | 245 | 33 | 1610 | 9083 | 304 | 445 |
| 16 | 1076 | 6631 | 219 | 429 | 34 | 1766 | 4349 | 274 | 489 |
| 16 | 1245 | 1928 | 222 | 244 | 35 | 337 | 1039 | 185 | 234 |
| 19 | 263 | 5089 | 261 | 290 | 35 | 356 | 1214 | 204 | 267 |
| 19 | 570 | 14020 | 182 | 441 | 35 | 613 | 1011 | 349 | 375 |
| 19 | 586 | 17350 | 52 | 480 | 35 | 829 | 1971 | 274 | 392 |
| 19 | 1289 | 18033 | 37 | 495 | 37 | 66 | 142 | 15 | 17 |
| 19 | 1363 | 3569 | 473 | 480 | 37 | 302 | 773 | 370 | 373 |
| 19 | 1442 | 9667 | 314 | 392 | 37 | 615 | 6131 | 301 | 434 |
| 19 | 1536 | 16239 | 38 | 436 | 37 | 1183 | 7659 | 270 | 476 |
| 19 | 1793 | 14119 | 56 | 380 | 37 | 1225 | 4637 | 3 | 249 |
| 20 | 656 | 20220 | 227 | 304 | 37 | 1470 | 8136 | 152 | 472 |
| 20 | 822 | 3988 | 7 | 49 | 37 | 1768 | 5034 | 206 | 347 |
| 20 | 848 | 3813 | 309 | 314 | 39 | 251 | 839 | 166 | 225 |
| 20 | 1229 | 5874 | 146 | 166 | 39 | 1403 | 288 | 225 | 231 |
| 20 | 1363 | 9250 | 384 | 409 | 39 | 1533 | 125 | 332 | 333 |
| 20 | 1638 | 4499 | 426 | 427 | 39 | 1732 | 886 | 419 | 449 |
| 20 | 1672 | 20389 | 309 | 429 | 39 | 1755 | 838 | 299 | 336 |
| 21 | 311 | 369 | 157 | 158 | 40 | 730 | 1584 | 31 | 121 |
| 21 | 367 | 2522 | 130 | 186 | 41 | 329 | 294 | 80 | 114 |
| 21 | 449 | 4999 | 18 | 270 | 42 | 197 | 2571 | 276 | 476 |
| 21 | 1397 | 3144 | 452 | 487 | 42 | 1294 | 3068 | 157 | 485 |
| 21 | 1745 | 1989 | 189 | 218 | 43 | 211 | 378 | 407 | 408 |
| 23 | 481 | 335 | 319 | 324 | 43 | 395 | 4738 | 126 | 308 |
| 24 | 300 | 6495 | 5 | 97 | 43 | 514 | 4462 | 402 | 493 |
| 24 | 468 | 15154 | 288 | 330 | 43 | 901 | 392 | 21 | 32 |
| 24 | 551 | 28953 | 350 | 450 | 43 | 1057 | 5455 | 47 | 335 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0°.001 × | | | j | k | 0°.001 × | | |
| 43 | 1147 | 340 | 406 | 407 | 62 | 316 | 1876 | 115 | 137 |
| 43 | 1420 | 3654 | 15 | 222 | 62 | 431 | 8501 | 392 | 493 |
| 43 | 1661 | 2562 | 442 | 465 | 62 | 515 | 3211 | 213 | 244 |
| 44 | 662 | 2364 | 416 | 446 | 62 | 526 | 12074 | 51 | 464 |
| 44 | 738 | 1348 | 188 | 206 | 62 | 555 | 5099 | 428 | 479 |
| 44 | 1111 | 1310 | 172 | 193 | 62 | 1623 | 9993 | 273 | 492 |
| 44 | 1513 | 4805 | 262 | 415 | 62 | 1624 | 8237 | 241 | 385 |
| 46 | 495 | 5604 | 29 | 227 | 63 | 574 | 1050 | 91 | 139 |
| 46 | 878 | 8319 | 294 | 430 | 63 | 684 | 1607 | 272 | 315 |
| 46 | 1335 | 8465 | 226 | 423 | 63 | 1062 | 4404 | 172 | 470 |
| 46 | 1389 | 6553 | 287 | 379 | 63 | 1279 | 1718 | 60 | 182 |
| 46 | 1394 | 2389 | 345 | 360 | 63 | 1526 | 583 | 435 | 439 |
| 46 | 1443 | 5442 | 415 | 460 | 63 | 1717 | 2546 | 411 | 439 |
| 47 | 75 | 4229 | 4 | 363 | 63 | 1745 | 2890 | 282 | 410 |
| 47 | 422 | 5428 | 7 | 473 | 64 | 180 | 3502 | 436 | 441 |
| 47 | 497 | 3278 | 130 | 310 | 64 | 243 | 15338 | 168 | 368 |
| 47 | 571 | 299 | 237 | 238 | 64 | 569 | 7612 | 19 | 174 |
| 47 | 802 | 4505 | 246 | 471 | 64 | 1079 | 20245 | 125 | 456 |
| 47 | 1090 | 1392 | 377 | 395 | 64 | 1100 | 4401 | 271 | 285 |
| 47 | 1188 | 2000 | 158 | 233 | 64 | 1497 | 7552 | 243 | 209 |
| 47 | 1541 | 1422 | 96 | 156 | 64 | 1760 | 9266 | 281 | 365 |
| 47 | 1790 | 1741 | 122 | 196 | 65 | 885 | 6660 | 261 | 474 |
| 48 | 239 | 2422 | 389 | 472 | 65 | 1376 | 7389 | 5 | 457 |
| 48 | 289 | 1415 | 122 | 203 | 66 | 302 | 631 | 385 | 387 |
| 48 | 533 | 3091 | 23 | 353 | 66 | 615 | 5989 | 286 | 418 |
| 49 | 554 | 7389 | 223 | 451 | 66 | 1183 | 7517 | 255 | 461 |
| 49 | 1153 | 7624 | 180 | 467 | 66 | 1225 | 4495 | 18 | 241 |
| 49 | 1643 | 1238 | 380 | 387 | 66 | 1470 | 8278 | 167 | 484 |
| 50 | 755 | 3381 | 409 | 446 | 66 | 1768 | 4892 | 221 | 349 |
| 50 | 1335 | 1099 | 283 | 289 | 67 | 119 | 976 | 251 | 270 |
| 50 | 1394 | 4977 | 164 | 289 | 67 | 525 | 417 | 21 | 48 |
| 51 | 107 | 1356 | 31 | 236 | 67 | 540 | 920 | 436 | 446 |
| 51 | 339 | 1758 | 34 | 305 | 67 | 1632 | 2613 | 311 | 410 |
| 52 | 1455 | 1049 | 299 | 330 | 68 | 118 | 2826 | 181 | 427 |
| 53 | 301 | 1100 | 268 | 285 | 69 | 1579 | 1945 | 125 | 317 |
| 53 | 335 | 4372 | 63 | 395 | 69 | 1734 | 3085 | 196 | 494 |
| 53 | 933 | 2355 | 384 | 442 | 72 | 102 | 3311 | 280 | 413 |
| 53 | 1055 | 3099 | 123 | 307 | 72 | 189 | 4290 | 252 | 469 |
| 53 | 1217 | 4600 | 2 | 413 | 72 | 821 | 2650 | 44 | 253 |
| 55 | 195 | 3077 | 208 | 433 | 72 | 1387 | 4500 | 95 | 439 |
| 55 | 280 | 307 | 257 | 260 | 73 | 77 | 6154 | 64 | 266 |
| 55 | 1325 | 3276 | 265 | 495 | 73 | 91 | 3326 | 267 | 297 |
| 57 | 904 | 1401 | 10 | 367 | 73 | 615 | 6110 | 399 | 484 |
| 58 | 114 | 2919 | 114 | 278 | 73 | 632 | 10308 | 147 | 439 |
| 58 | 163 | 1180 | 251 | 271 | 73 | 1204 | 390 | 491 | 491 |
| 58 | 723 | 2209 | 69 | 205 | 73 | 1332 | 6697 | 103 | 302 |
| 58 | 794 | 2834 | 169 | 305 | 73 | 1610 | 7971 | 170 | 361 |
| 58 | 799 | 3157 | 197 | 345 | 73 | 1729 | 1410 | 70 | 92 |
| 58 | 1668 | 73 | 325 | 325 | 74 | 1435 | 6900 | 16 | 483 |
| 60 | 1084 | 4459 | 284 | 406 | 75 | 571 | 3931 | 241 | 425 |
| 60 | 1352 | 5478 | 149 | 380 | 75 | 1080 | 2837 | 373 | 442 |
| 60 | 1435 | 1303 | 435 | 443 | 75 | 1396 | 179 | 486 | 486 |
| 62 | 240 | 10449 | 108 | 408 | 75 | 1541 | 2807 | 92 | 259 |
| 62 | 268 | 4349 | 219 | 281 | 75 | 1700 | 2217 | 453 | 489 |
| 62 | 296 | 4415 | 472 | 456 | 75 | 1790 | 2488 | 126 | 253 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 76 | 150 | 898 | 92 | 93 | 97 | 191 | 347 | 291 | 299 |
| 76 | 703 | 7439 | 368 | 470 | 97 | 903 | 146 | 164 | 167 |
| 76 | 1130 | 10139 | 77 | 382 | 97 | 1386 | 1684 | 48 | 347 |
| 76 | 1150 | 449 | 298 | 299 | 97 | 1597 | 997 | 55 | 211 |
| 76 | 1692 | 5445 | 323 | 387 | 100 | 655 | 2497 | 79 | 291 |
| 77 | 632 | 4154 | 211 | 270 | 100 | 1104 | 1509 | 22 | 170 |
| 77 | 1610 | 1817 | 234 | 245 | 100 | 1271 | 1055 | 417 | 434 |
| 77 | 1729 | 7964 | 6 | 323 | 100 | 1689 | 4145 | 58 | 465 |
| 78 | 1532 | 2649 | 101 | 415 | 101 | 573 | 29 | 348 | 348 |
| 79 | 168 | 1505 | 37 | 126 | 102 | 821 | 661 | 236 | 244 |
| 79 | 305 | 2678 | 193 | 286 | 103 | 1011 | 3515 | 48 | 337 |
| 79 | 460 | 1154 | 5 | 93 | 104 | 321 | 2421 | 246 | 272 |
| 79 | 1200 | 675 | 34 | 64 | 104 | 343 | 3707 | 415 | 460 |
| 80 | 374 | 809 | 340 | 362 | 104 | 975 | 3757 | 281 | 332 |
| 81 | 94 | 1662 | 146 | 272 | 104 | 1223 | 1631 | 292 | 302 |
| 81 | 109 | 1310 | 40 | 185 | 106 | 131 | 3274 | 343 | 439 |
| 81 | 620 | 2264 | 166 | 349 | 106 | 959 | 2136 | 159 | 232 |
| 81 | 671 | 1073 | 159 | 218 | 106 | 1044 | 2131 | 367 | 402 |
| 81 | 843 | 2375 | 114 | 348 | 106 | 1122 | 1447 | 124 | 171 |
| 81 | 1018 | 2658 | 198 | 411 | 106 | 1412 | 3881 | 102 | 332 |
| 82 | 126 | 2854 | 88 | 168 | 106 | 1480 | 1460 | 246 | 274 |
| 82 | 175 | 3898 | 383 | 435 | 107 | 339 | 402 | 3 | 69 |
| 82 | 332 | 5860 | 19 | 292 | 108 | 355 | 753 | 89 | 106 |
| 82 | 1029 | 4204 | 393 | 439 | 108 | 659 | 1342 | 128 | 165 |
| 82 | 1190 | 736 | 352 | 354 | 108 | 1135 | 887 | 168 | 182 |
| 83 | 254 | 463 | 479 | 481 | 108 | 1267 | 523 | 28 | 49 |
| 83 | 281 | 3391 | 313 | 434 | 108 | 1381 | 100 | 145 | 145 |
| 83 | 340 | 686 | 312 | 317 | 108 | 1700 | 5235 | 152 | 434 |
| 83 | 1268 | 3046 | 217 | 338 | 109 | 671 | 2383 | 119 | 352 |
| 84 | 227 | 1 | 184 | 184 | 109 | 843 | 1069 | 74 | 166 |
| 84 | 1737 | 68 | 62 | 63 | 110 | 1327 | 795 | 197 | 177 |
| 85 | 724 | 1304 | 179 | 336 | 110 | 1344 | 2928 | 327 | 442 |
| 86 | 1154 | 3111 | 263 | 365 | 110 | 1375 | 4614 | 139 | 495 |
| 90 | 222 | 9512 | 77 | 373 | 110 | 1353 | 393 | 84 | 93 |
| 90 | 279 | 4060 | 102 | 192 | 110 | 1563 | 3784 | 2 | 395 |
| 90 | 621 | 3521 | 84 | 163 | 110 | 1619 | 4181 | 229 | 500 |
| 90 | 767 | 9313 | 183 | 420 | 110 | 1676 | 2587 | 160 | 317 |
| 90 | 936 | 7673 | 169 | 354 | 111 | 465 | 2662 | 302 | 375 |
| 90 | 991 | 6586 | 143 | 287 | 111 | 1092 | 2183 | 456 | 496 |
| 90 | 1259 | 4348 | 168 | 243 | 111 | 1324 | 1428 | 419 | 435 |
| 90 | 1261 | 2047 | 200 | 217 | 111 | 1370 | 205 | 120 | 121 |
| 90 | 1305 | 7624 | 91 | 317 | 111 | 1374 | 3189 | 394 | 486 |
| 90 | 1761 | 6090 | 230 | 340 | 112 | 228 | 10444 | 58 | 472 |
| 91 | 208 | 5722 | 344 | 394 | 112 | 939 | 3444 | 16 | 197 |
| 91 | 761 | 13118 | 62 | 493 | 112 | 1493 | 7123 | 9 | 323 |
| 91 | 1204 | 2936 | 224 | 246 | 114 | 125 | 4767 | 283 | 488 |
| 91 | 1332 | 3371 | 370 | 394 | 114 | 163 | 4099 | 137 | 374 |
| 91 | 1358 | 10549 | 64 | 399 | 114 | 723 | 710 | 45 | 76 |
| 91 | 1610 | 11297 | 97 | 436 | 114 | 794 | 85 | 283 | 283 |
| 91 | 1729 | 1916 | 337 | 345 | 114 | 799 | 238 | 311 | 312 |
| 92 | 464 | 602 | 223 | 246 | 114 | 1668 | 2992 | 211 | 328 |
| 92 | 1702 | 2108 | 54 | 369 | 116 | 725 | 4926 | 227 | 389 |
| 94 | 109 | 352 | 106 | 117 | 116 | 1089 | 7157 | 162 | 483 |
| 94 | 671 | 2735 | 13 | 383 | 116 | 1218 | 247 | 402 | 402 |
| 94 | 843 | 717 | 32 | 105 | 116 | 1544 | 4181 | 228 | 340 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 116 | 1713 | 3002 | 184 | 266 | 142 | 969 | 1556 | 46 | 77 |
| 117 | 575 | 506 | 128 | 183 | 142 | 1496 | 3049 | 260 | 289 |
| 118 | 438 | 1343 | 386 | 425 | 142 | 1740 | 5091 | 220 | 290 |
| 118 | 1429 | 806 | 80 | 135 | 143 | 469 | 1040 | 262 | 335 |
| 119 | 525 | 559 | 230 | 237 | 143 | 545 | 1126 | 267 | 347 |
| 119 | 540 | 1896 | 185 | 263 | 144 | 447 | 4438 | 1 | 372 |
| 119 | 1367 | 546 | 251 | 257 | 144 | 566 | 4490 | 127 | 402 |
| 119 | 1632 | 3589 | 60 | 363 | 144 | 1083 | 4217 | 339 | 499 |
| 120 | 192 | 1549 | 137 | 231 | 144 | 1137 | 1780 | 479 | 499 |
| 120 | 303 | 3346 | 49 | 407 | 144 | 1450 | 1724 | 59 | 157 |
| 121 | 196 | 2533 | 324 | 460 | 144 | 1483 | 4467 | 325 | 466 |
| 122 | 379 | 6469 | 15 | 184 | 144 | 1601 | 2038 | 142 | 224 |
| 122 | 878 | 6386 | 401 | 449 | 144 | 1667 | 4253 | 162 | 394 |
| 122 | 993 | 5410 | 138 | 211 | 146 | 908 | 1253 | 280 | 401 |
| 122 | 1247 | 16256 | 107 | 485 | 147 | 270 | 4956 | 442 | 479 |
| 122 | 1289 | 14839 | 27 | 416 | 147 | 299 | 5063 | 302 | 340 |
| 122 | 1389 | 4620 | 408 | 433 | 147 | 499 | 7570 | 160 | 309 |
| 122 | 1443 | 3509 | 280 | 300 | 147 | 1014 | 3000 | 361 | 377 |
| 122 | 1536 | 16633 | 102 | 465 | 147 | 1438 | 6265 | 28 | 213 |
| 122 | 1570 | 11413 | 22 | 325 | 149 | 954 | 4893 | 187 | 207 |
| 122 | 1635 | 6305 | 165 | 249 | 149 | 1576 | 7972 | 8 | 130 |
| 122 | 1774 | 3865 | 227 | 255 | 149 | 1672 | 26781 | 71 | 456 |
| 124 | 1295 | 2894 | 75 | 164 | 149 | 1691 | 15839 | 108 | 293 |
| 124 | 1621 | 6274 | 226 | 403 | 149 | 1788 | 2695 | 286 | 288 |
| 125 | 1636 | 859 | 220 | 230 | 150 | 703 | 6541 | 276 | 381 |
| 126 | 175 | 1034 | 295 | 300 | 150 | 1130 | 9241 | 15 | 349 |
| 126 | 332 | 8714 | 69 | 445 | 150 | 1150 | 449 | 206 | 207 |
| 126 | 615 | 9489 | 152 | 495 | 150 | 1692 | 6343 | 231 | 342 |
| 126 | 1183 | 7961 | 121 | 416 | 151 | 162 | 1804 | 368 | 417 |
| 126 | 1190 | 3590 | 264 | 326 | 151 | 1155 | 495 | 187 | 195 |
| 127 | 349 | 1412 | 14 | 203 | 151 | 1343 | 2655 | 392 | 487 |
| 128 | 267 | 2540 | 225 | 353 | 152 | 906 | 123 | 373 | 374 |
| 128 | 1123 | 3140 | 168 | 385 | 153 | 368 | 619 | 75 | 113 |
| 129 | 458 | 1278 | 304 | 472 | 153 | 919 | 1787 | 290 | 382 |
| 131 | 245 | 3962 | 215 | 411 | 155 | 698 | 671 | 62 | 148 |
| 131 | 503 | 3959 | 74 | 353 | 155 | 906 | 1009 | 330 | 388 |
| 131 | 1122 | 1827 | 219 | 268 | 156 | 898 | 405 | 452 | 457 |
| 131 | 1412 | 607 | 241 | 246 | 158 | 832 | 24038 | 9 | 415 |
| 131 | 1480 | 1814 | 97 | 183 | 158 | 1100 | 25811 | 40 | 458 |
| 131 | 1517 | 1375 | 318 | 341 | 158 | 1497 | 22660 | 68 | 412 |
| 136 | 513 | 1256 | 156 | 262 | 158 | 1645 | 10493 | 11 | 184 |
| 138 | 1202 | 4645 | 219 | 344 | 158 | 1704 | 19280 | 38 | 331 |
| 138 | 1218 | 8338 | 4 | 461 | 158 | 1779 | 25192 | 109 | 426 |
| 138 | 1423 | 3561 | 262 | 323 | 159 | 294 | 2275 | 116 | 270 |
| 138 | 1544 | 4404 | 170 | 302 | 159 | 442 | 243 | 17 | 31 |
| 138 | 1545 | 2657 | 184 | 233 | 159 | 1492 | 3183 | 39 | 339 |
| 138 | 1741 | 105 | 270 | 270 | 160 | 302 | 657 | 394 | 396 |
| 139 | 1380 | 1350 | 418 | 488 | 160 | 1707 | 2636 | 211 | 278 |
| 140 | 462 | 1817 | 3 | 101 | 161 | 1008 | 2258 | 75 | 362 |
| 140 | 825 | 5947 | 213 | 402 | 162 | 401 | 110 | 129 | 130 |
| 140 | 1131 | 6319 | 48 | 357 | 162 | 1343 | 4459 | 24 | 472 |
| 140 | 1553 | 3717 | 42 | 212 | 163 | 723 | 3389 | 182 | 341 |
| 140 | 1618 | 4120 | 36 | 233 | 163 | 1668 | 1107 | 74 | 118 |
| 140 | 1684 | 1011 | 456 | 460 | 163 | 1733 | 941 | 374 | 382 |
| 142 | 557 | 1753 | 253 | 263 | 163 | 1736 | 715 | 247 | 254 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 163 | 1759 | 1214 | 236 | 256 | 180 | 1079 | 16743 | 311 | 430 |
| 165 | 433 | 570 | 407 | 421 | 180 | 1100 | 7903 | 165 | 211 |
| 165 | 1284 | 393 | 368 | 376 | 180 | 1497 | 11054 | 193 | 268 |
| 166 | 402 | 255 | 143 | 152 | 182 | 240 | 8182 | 105 | 312 |
| 166 | 625 | 1355 | 186 | 340 | 182 | 431 | 10130 | 179 | 382 |
| 167 | 291 | 5110 | 348 | 392 | 182 | 1778 | 117 | 458 | 458 |
| 167 | 315 | 5042 | 225 | 303 | 182 | 1789 | 5207 | 26 | 183 |
| 167 | 878 | 6239 | 176 | 289 | 184 | 243 | 7562 | 13 | 152 |
| 167 | 1247 | 3631 | 470 | 486 | 184 | 1079 | 2655 | 30 | 62 |
| 167 | 1335 | 6093 | 344 | 426 | 186 | 1495 | 1123 | 404 | 476 |
| 167 | 1389 | 8005 | 169 | 340 | 187 | 1207 | 779 | 209 | 253 |
| 167 | 1443 | 9116 | 297 | 440 | 189 | 540 | 1560 | 413 | 438 |
| 167 | 1489 | 10528 | 208 | 470 | 189 | 836 | 3668 | 332 | 461 |
| 167 | 1762 | 5633 | 65 | 228 | 189 | 1037 | 4075 | 218 | 433 |
| 167 | 1774 | 8760 | 350 | 466 | 189 | 1387 | 210 | 347 | 348 |
| 168 | 305 | 1173 | 156 | 181 | 189 | 1791 | 4367 | 207 | 451 |
| 168 | 460 | 2659 | 42 | 217 | 191 | 903 | 201 | 127 | 133 |
| 168 | 1200 | 2180 | 3 | 174 | 191 | 1386 | 2031 | 243 | 476 |
| 169 | 224 | 1338 | 343 | 368 | 191 | 1597 | 650 | 346 | 370 |
| 169 | 231 | 3383 | 383 | 495 | 192 | 302 | 1797 | 88 | 232 |
| 169 | 1308 | 76 | 87 | 87 | 195 | 359 | 1315 | 210 | 263 |
| 169 | 1454 | 1840 | 403 | 437 | 197 | 1248 | 2180 | 345 | 485 |
| 170 | 665 | 1355 | 186 | 387 | 197 | 1294 | 497 | 119 | 141 |
| 171 | 383 | 8151 | 106 | 385 | 199 | 451 | 6 | 159 | 159 |
| 171 | 1061 | 9444 | 55 | 419 | 200 | 467 | 1822 | 445 | 493 |
| 171 | 1302 | 10942 | 46 | 493 | 201 | 265 | 35 | 288 | 288 |
| 171 | 1487 | 3449 | 87 | 174 | 201 | 1731 | 3084 | 149 | 421 |
| 171 | 1581 | 4662 | 15 | 208 | 202 | 475 | 698 | 177 | 206 |
| 171 | 1674 | 4980 | 135 | 265 | 202 | 1528 | 2048 | 304 | 434 |
| 171 | 1687 | 7728 | 89 | 361 | 203 | 214 | 5837 | 261 | 427 |
| 171 | 1778 | 5701 | 91 | 265 | 205 | 992 | 673 | 164 | 207 |
| 173 | 1094 | 1162 | 309 | 419 | 206 | 1076 | 1589 | 465 | 475 |
| 174 | 1683 | 1091 | 346 | 417 | 207 | 257 | 5803 | 157 | 409 |
| 175 | 1190 | 4624 | 31 | 261 | 207 | 1081 | 1834 | 420 | 439 |
| 177 | 184 | 15817 | 266 | 442 | 208 | 658 | 13659 | 239 | 458 |
| 177 | 658 | 2823 | 105 | 128 | 208 | 1204 | 2786 | 120 | 149 |
| 177 | 717 | 2274 | 327 | 333 | 208 | 1382 | 12051 | 198 | 402 |
| 177 | 828 | 13985 | 269 | 412 | 208 | 1610 | 5575 | 441 | 481 |
| 177 | 1079 | 18472 | 236 | 479 | 209 | 645 | 835 | 156 | 187 |
| 177 | 1382 | 4431 | 146 | 186 | 210 | 281 | 1600 | 32 | 151 |
| 178 | 223 | 2926 | 49 | 110 | 210 | 905 | 4105 | 48 | 382 |
| 178 | 492 | 4647 | 268 | 304 | 211 | 514 | 4840 | 5 | 327 |
| 178 | 641 | 10363 | 190 | 378 | 211 | 523 | 2758 | 453 | 494 |
| 178 | 981 | 4525 | 170 | 231 | 211 | 901 | 770 | 428 | 431 |
| 178 | 988 | 9221 | 294 | 407 | 211 | 1057 | 5077 | 360 | 486 |
| 178 | 991 | 12946 | 199 | 489 | 211 | 1109 | 4831 | 315 | 463 |
| 178 | 1073 | 11551 | 292 | 458 | 211 | 1147 | 718 | 1 | 49 |
| 178 | 1162 | 11035 | 7 | 367 | 211 | 1420 | 3276 | 392 | 445 |
| 178 | 1440 | 4294 | 385 | 416 | 212 | 406 | 1577 | 72 | 137 |
| 179 | 322 | 997 | 227 | 265 | 212 | 1491 | 438 | 498 | 499 |
| 179 | 441 | 1250 | 344 | 385 | 213 | 1689 | 1500 | 429 | 462 |
| 179 | 896 | 1426 | 403 | 449 | 214 | 271 | 6232 | 101 | 393 |
| 180 | 184 | 19398 | 281 | 440 | 214 | 830 | 451 | 376 | 377 |
| 180 | 243 | 11836 | 268 | 338 | 215 | 229 | 4523 | 421 | 447 |
| 180 | 569 | 11114 | 417 | 465 | 215 | 435 | 2109 | 133 | 148 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 215 | 641 | 15669 | 17 | 466 | 242 | 966 | 1674 | 200 | 387 |
| 215 | 761 | 1132 | 473 | 475 | 243 | 1079 | 4907 | 43 | 109 |
| 215 | 988 | 16811 | 87 | 492 | 243 | 1100 | 19739 | 103 | 386 |
| 215 | 1027 | 4266 | 437 | 450 | 243 | 1497 | 22890 | 75 | 445 |
| 215 | 1073 | 14491 | 85 | 426 | 243 | 1769 | 6072 | 449 | 471 |
| 215 | 1358 | 3701 | 475 | 491 | 244 | 650 | 7589 | 290 | 459 |
| 215 | 1698 | 2612 | 156 | 173 | 244 | 703 | 4757 | 388 | 445 |
| 217 | 318 | 975 | 180 | 253 | 244 | 1150 | 2233 | 458 | 469 |
| 218 | 1379 | 1177 | 339 | 461 | 244 | 1422 | 7080 | 174 | 381 |
| 219 | 1230 | 80 | 302 | 302 | 244 | 1542 | 3754 | 104 | 210 |
| 220 | 1224 | 22 | 290 | 280 | 244 | 1650 | 8746 | 102 | 437 |
| 222 | 279 | 5452 | 179 | 279 | 245 | 1122 | 2135 | 434 | 472 |
| 222 | 767 | 189 | 260 | 260 | 245 | 1133 | 3463 | 191 | 371 |
| 222 | 1259 | 5164 | 245 | 320 | 245 | 1344 | 1395 | 476 | 494 |
| 222 | 1445 | 9096 | 141 | 381 | 245 | 1480 | 2148 | 312 | 364 |
| 222 | 1761 | 3422 | 307 | 337 | 245 | 1517 | 2587 | 103 | 257 |
| 223 | 492 | 1721 | 317 | 322 | 245 | 1522 | 912 | 178 | 197 |
| 223 | 641 | 7437 | 239 | 337 | 248 | 937 | 3005 | 321 | 379 |
| 223 | 981 | 1599 | 121 | 133 | 248 | 951 | 6096 | 78 | 438 |
| 223 | 988 | 6295 | 343 | 395 | 249 | 661 | 1923 | 375 | 490 |
| 223 | 1073 | 8625 | 341 | 433 | 249 | 1182 | 1535 | 245 | 353 |
| 223 | 1162 | 8109 | 42 | 277 | 251 | 1403 | 1127 | 391 | 440 |
| 223 | 1440 | 1368 | 336 | 340 | 251 | 1533 | 714 | 166 | 212 |
| 224 | 711 | 3763 | 236 | 457 | 251 | 1732 | 47 | 253 | 253 |
| 224 | 1308 | 1262 | 256 | 285 | 251 | 1755 | 1677 | 133 | 336 |
| 227 | 1737 | 69 | 246 | 246 | 252 | 1059 | 1579 | 98 | 294 |
| 228 | 1007 | 5414 | 6 | 240 | 252 | 1286 | 944 | 340 | 377 |
| 229 | 435 | 6632 | 288 | 367 | 252 | 1287 | 1398 | 260 | 354 |
| 229 | 720 | 6427 | 243 | 349 | 253 | 289 | 2717 | 37 | 319 |
| 229 | 761 | 5655 | 52 | 218 | 253 | 533 | 1041 | 182 | 218 |
| 229 | 1029 | 558 | 327 | 328 | 253 | 1409 | 2181 | 10 | 255 |
| 229 | 1162 | 10474 | 207 | 422 | 254 | 340 | 1149 | 167 | 191 |
| 229 | 1358 | 8224 | 54 | 313 | 254 | 1081 | 2580 | 290 | 350 |
| 231 | 1454 | 1563 | 20 | 139 | 254 | 1268 | 3509 | 262 | 387 |
| 232 | 1731 | 588 | 195 | 204 | 254 | 1744 | 1063 | 106 | 134 |
| 235 | 858 | 984 | 139 | 207 | 257 | 343 | 4227 | 385 | 462 |
| 235 | 1028 | 1462 | 435 | 495 | 257 | 1757 | 4340 | 330 | 438 |
| 235 | 1550 | 941 | 194 | 243 | 259 | 521 | 2336 | 230 | 490 |
| 235 | 1594 | 3117 | 94 | 497 | 259 | 1054 | 1374 | 54 | 264 |
| 236 | 421 | 1503 | 109 | 229 | 261 | 274 | 3347 | 37 | 217 |
| 236 | 1705 | 2435 | 12 | 325 | 261 | 452 | 3145 | 415 | 456 |
| 237 | 563 | 835 | 439 | 462 | 261 | 534 | 2337 | 359 | 386 |
| 237 | 1300 | 1679 | 217 | 355 | 261 | 580 | 2814 | 7 | 179 |
| 238 | 737 | 851 | 79 | 198 | 261 | 825 | 4719 | 236 | 373 |
| 238 | 1458 | 2146 | 133 | 482 | 261 | 1010 | 2569 | 269 | 312 |
| 239 | 533 | 669 | 366 | 373 | 261 | 1131 | 4347 | 401 | 478 |
| 240 | 268 | 6100 | 327 | 406 | 261 | 1336 | 1031 | 442 | 446 |
| 240 | 296 | 6034 | 364 | 416 | 262 | 636 | 3151 | 189 | 469 |
| 240 | 316 | 8573 | 223 | 400 | 262 | 769 | 1957 | 252 | 361 |
| 240 | 431 | 1948 | 284 | 292 | 262 | 1072 | 1488 | 266 | 335 |
| 240 | 515 | 7238 | 105 | 280 | 263 | 277 | 13451 | 187 | 337 |
| 240 | 1623 | 456 | 381 | 381 | 263 | 584 | 12261 | 313 | 439 |
| 240 | 1778 | 6299 | 353 | 483 | 263 | 848 | 6957 | 287 | 319 |
| 240 | 1789 | 13389 | 131 | 494 | 263 | 1363 | 1520 | 212 | 214 |
| 241 | 1407 | 2295 | 264 | 347 | 263 | 1442 | 4578 | 53 | 114 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 263 | 1793 | 9030 | 205 | 300 | 291 | 317 | 10258 | 88 | 334 |
| 264 | 1515 | 255 | 244 | 248 | 291 | 379 | 11266 | 214 | 403 |
| 266 | 640 | 924 | 71 | 225 | 291 | 461 | 4515 | 410 | 430 |
| 267 | 1185 | 2317 | 321 | 399 | 291 | 879 | 11349 | 172 | 419 |
| 268 | 316 | 2473 | 104 | 146 | 291 | 1082 | 13311 | 33 | 426 |
| 268 | 515 | 1138 | 432 | 434 | 291 | 1247 | 1479 | 122 | 130 |
| 268 | 555 | 9448 | 239 | 467 | 291 | 1389 | 13115 | 179 | 477 |
| 268 | 938 | 2102 | 222 | 241 | 291 | 1443 | 14226 | 51 | 467 |
| 268 | 1623 | 5644 | 54 | 248 | 291 | 1615 | 8385 | 180 | 314 |
| 268 | 1533 | 6342 | 239 | 370 | 291 | 1762 | 523 | 413 | 413 |
| 270 | 396 | 4034 | 174 | 245 | 291 | 1764 | 8558 | 362 | 471 |
| 270 | 499 | 2614 | 282 | 300 | 291 | 1774 | 13870 | 2 | 446 |
| 270 | 1014 | 1956 | 81 | 113 | 291 | 1782 | 3320 | 327 | 341 |
| 270 | 1198 | 6561 | 360 | 462 | 294 | 442 | 2032 | 133 | 255 |
| 270 | 1319 | 4314 | 369 | 416 | 294 | 1251 | 3925 | 160 | 448 |
| 271 | 1415 | 6790 | 119 | 430 | 294 | 1492 | 908 | 155 | 183 |
| 271 | 1777 | 1089 | 393 | 398 | 295 | 847 | 5507 | 215 | 328 |
| 272 | 1219 | 4784 | 37 | 372 | 296 | 431 | 4086 | 80 | 190 |
| 272 | 1439 | 1513 | 255 | 279 | 296 | 515 | 1204 | 259 | 262 |
| 272 | 1467 | 1771 | 378 | 404 | 296 | 1097 | 12417 | 228 | 419 |
| 272 | 1757 | 1681 | 474 | 490 | 296 | 1624 | 12652 | 231 | 470 |
| 274 | 452 | 202 | 452 | 452 | 297 | 1463 | 1276 | 216 | 272 |
| 274 | 534 | 1010 | 396 | 401 | 298 | 1016 | 526 | 242 | 249 |
| 274 | 580 | 6161 | 30 | 394 | 298 | 1512 | 2538 | 279 | 398 |
| 274 | 1010 | 5916 | 232 | 454 | 298 | 1622 | 3699 | 183 | 450 |
| 275 | 334 | 2977 | 141 | 282 | 299 | 586 | 15187 | 12 | 427 |
| 275 | 736 | 1165 | 393 | 404 | 299 | 1438 | 1202 | 330 | 332 |
| 275 | 1562 | 5202 | 114 | 452 | 300 | 468 | 21649 | 283 | 363 |
| 275 | 1648 | 4136 | 210 | 396 | 300 | 551 | 35448 | 349 | 487 |
| 277 | 832 | 25215 | 116 | 472 | 300 | 1074 | 3890 | 96 | 111 |
| 277 | 848 | 20408 | 100 | 388 | 300 | 1128 | 16197 | 263 | 362 |
| 277 | 1363 | 14971 | 25 | 286 | 300 | 1462 | 16628 | 261 | 365 |
| 277 | 1462 | 8873 | 134 | 226 | 300 | 1578 | 30727 | 58 | 423 |
| 277 | 1779 | 24061 | 216 | 467 | 300 | 1669 | 22810 | 235 | 418 |
| 277 | 1793 | 4421 | 392 | 404 | 300 | 1686 | 32998 | 110 | 416 |
| 278 | 963 | 15 | 179 | 179 | 301 | 1514 | 3125 | 351 | 434 |
| 279 | 621 | 7581 | 18 | 309 | 302 | 1225 | 3864 | 367 | 428 |
| 279 | 767 | 5253 | 81 | 233 | 302 | 1768 | 4261 | 164 | 299 |
| 279 | 936 | 11733 | 67 | 490 | 304 | 1330 | 368 | 59 | 117 |
| 279 | 991 | 10646 | 245 | 478 | 305 | 460 | 3332 | 198 | 361 |
| 279 | 1259 | 288 | 66 | 67 | 305 | 1200 | 3353 | 159 | 308 |
| 279 | 1261 | 6107 | 98 | 273 | 305 | 1502 | 4565 | 250 | 492 |
| 279 | 1305 | 11684 | 11 | 475 | 306 | 744 | 1024 | 426 | 446 |
| 279 | 1761 | 2030 | 123 | 154 | 307 | 364 | 4036 | 112 | 440 |
| 280 | 1046 | 412 | 473 | 476 | 307 | 1270 | 3364 | 119 | 374 |
| 280 | 1325 | 3583 | 8 | 465 | 308 | 808 | 720 | 359 | 363 |
| 281 | 341 | 2244 | 361 | 420 | 308 | 834 | 1261 | 396 | 406 |
| 282 | 1414 | 472 | 174 | 189 | 308 | 1020 | 1129 | 72 | 111 |
| 283 | 1260 | 185 | 3 | 26 | 308 | 1671 | 4074 | 393 | 491 |
| 284 | 1760 | 257 | 277 | 279 | 309 | 333 | 2160 | 59 | 153 |
| 288 | 522 | 2080 | 86 | 181 | 309 | 708 | 1392 | 229 | 245 |
| 288 | 877 | 4398 | 57 | 335 | 309 | 841 | 2041 | 68 | 150 |
| 288 | 1577 | 2798 | 23 | 213 | 309 | 1481 | 2369 | 161 | 221 |
| 288 | 1586 | 5348 | 275 | 478 | 309 | 1608 | 261 | 217 | 218 |
| 289 | 533 | 1675 | 145 | 241 | 310 | 673 | 2212 | 291 | 313 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 310 | 1726 | 2029 | 315 | 336 | 335 | 873 | 2120 | 176 | 260 |
| 311 | 367 | 2153 | 287 | 310 | 335 | 1055 | 1273 | 186 | 219 |
| 311 | 449 | 4630 | 139 | 291 | 335 | 1217 | 228 | 61 | 64 |
| 311 | 1397 | 3513 | 295 | 360 | 336 | 1293 | 1337 | 205 | 242 |
| 311 | 1745 | 2358 | 31 | 137 | 336 | 1647 | 4019 | 5 | 474 |
| 312 | 1179 | 780 | 293 | 317 | 337 | 356 | 175 | 389 | 390 |
| 315 | 810 | 8749 | 177 | 422 | 337 | 613 | 28 | 164 | 164 |
| 315 | 1335 | 11135 | 118 | 498 | 337 | 1587 | 2383 | 15 | 326 |
| 315 | 1489 | 5486 | 17 | 232 | 338 | 1560 | 1930 | 184 | 276 |
| 315 | 1742 | 8874 | 83 | 382 | 340 | 1268 | 2360 | 95 | 217 |
| 315 | 1762 | 591 | 160 | 162 | 340 | 1744 | 86 | 273 | 273 |
| 315 | 1764 | 8626 | 211 | 407 | 341 | 578 | 575 | 480 | 484 |
| 316 | 515 | 1335 | 328 | 332 | 341 | 1354 | 2220 | 390 | 451 |
| 316 | 555 | 6975 | 313 | 435 | 342 | 378 | 191 | 338 | 339 |
| 316 | 938 | 4575 | 326 | 382 | 342 | 826 | 2276 | 215 | 358 |
| 316 | 1623 | 8117 | 153 | 376 | 343 | 1378 | 4314 | 332 | 420 |
| 317 | 461 | 5743 | 322 | 359 | 345 | 999 | 2600 | 15 | 440 |
| 317 | 561 | 5233 | 321 | 352 | 346 | 666 | 705 | 109 | 157 |
| 317 | 710 | 10930 | 20 | 334 | 347 | 488 | 899 | 181 | 256 |
| 317 | 1003 | 11350 | 53 | 359 | 347 | 1464 | 1690 | 133 | 365 |
| 317 | 1082 | 3053 | 55 | 110 | 347 | 1771 | 870 | 452 | 484 |
| 317 | 1247 | 11737 | 34 | 358 | 348 | 505 | 591 | 34 | 106 |
| 317 | 1539 | 7675 | 51 | 238 | 349 | 636 | 2465 | 343 | 488 |
| 317 | 1615 | 1873 | 92 | 108 | 350 | 1591 | 46 | 101 | 103 |
| 317 | 1764 | 1700 | 450 | 454 | 351 | 498 | 2236 | 293 | 467 |
| 317 | 1782 | 6938 | 239 | 310 | 351 | 1529 | 1716 | 229 | 355 |
| 318 | 890 | 1117 | 220 | 303 | 352 | 937 | 3400 | 323 | 385 |
| 319 | 719 | 2609 | 32 | 492 | 352 | 960 | 2491 | 358 | 384 |
| 319 | 1033 | 452 | 201 | 218 | 352 | 1652 | 4488 | 183 | 315 |
| 320 | 374 | 847 | 372 | 396 | 353 | 364 | 1501 | 356 | 405 |
| 320 | 429 | 144 | 119 | 121 | 353 | 758 | 2618 | 38 | 259 |
| 321 | 332 | 8550 | 253 | 479 | 353 | 1026 | 1069 | 255 | 275 |
| 321 | 720 | 4337 | 243 | 307 | 353 | 1056 | 560 | 215 | 222 |
| 321 | 975 | 1336 | 35 | 70 | 355 | 659 | 2095 | 217 | 270 |
| 321 | 1029 | 10206 | 159 | 477 | 355 | 935 | 5757 | 253 | 489 |
| 321 | 1223 | 790 | 46 | 59 | 355 | 1135 | 1640 | 257 | 286 |
| 321 | 1440 | 6451 | 315 | 418 | 355 | 1267 | 230 | 117 | 118 |
| 322 | 441 | 253 | 117 | 122 | 355 | 1381 | 653 | 234 | 239 |
| 322 | 896 | 429 | 176 | 185 | 355 | 1608 | 4297 | 349 | 466 |
| 324 | 916 | 1513 | 40 | 285 | 355 | 1700 | 4482 | 241 | 421 |
| 324 | 1187 | 108 | 428 | 428 | 356 | 829 | 3185 | 70 | 464 |
| 325 | 603 | 1099 | 449 | 476 | 356 | 1587 | 2208 | 374 | 485 |
| 327 | 1418 | 74 | 38 | 39 | 356 | 1710 | 1291 | 211 | 278 |
| 327 | 1640 | 353 | 40 | 59 | 358 | 755 | 4549 | 304 | 405 |
| 331 | 1696 | 1504 | 25 | 161 | 358 | 827 | 537 | 130 | 134 |
| 332 | 975 | 7214 | 288 | 446 | 359 | 1622 | 1966 | 307 | 382 |
| 332 | 1029 | 1656 | 412 | 419 | 360 | 653 | 371 | 402 | 409 |
| 332 | 1190 | 5124 | 333 | 429 | 360 | 807 | 540 | 421 | 434 |
| 333 | 708 | 760 | 288 | 292 | 360 | 1334 | 644 | 257 | 286 |
| 333 | 841 | 119 | 9 | 12 | 363 | 394 | 3101 | 278 | 431 |
| 333 | 1481 | 209 | 220 | 220 | 363 | 1619 | 3484 | 258 | 450 |
| 333 | 1608 | 2421 | 158 | 227 | 364 | 758 | 717 | 394 | 401 |
| 334 | 736 | 4142 | 252 | 411 | 365 | 1425 | 623 | 109 | 177 |
| 334 | 1562 | 2225 | 255 | 315 | 367 | 449 | 2477 | 148 | 197 |
| 334 | 1648 | 1159 | 69 | 116 | 367 | 1302 | 6954 | 346 | 482 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 367 | 1745 | 4511 | 318 | 401 | 406 | 1491 | 1139 | 426 | 433 |
| 368 | 919 | 2406 | 365 | 494 | 407 | 1598 | 2864 | 6 | 375 |
| 371 | 1173 | 124 | 445 | 445 | 408 | 775 | 540 | 235 | 250 |
| 371 | 1195 | 2191 | 218 | 353 | 408 | 884 | 2147 | 150 | 367 |
| 373 | 1160 | 843 | 428 | 481 | 408 | 1297 | 2630 | 46 | 415 |
| 376 | 427 | 3982 | 318 | 494 | 408 | 1485 | 856 | 117 | 178 |
| 376 | 1298 | 1475 | 68 | 156 | 410 | 1504 | 2100 | 112 | 416 |
| 376 | 1374 | 702 | 101 | 121 | 410 | 1588 | 1880 | 330 | 490 |
| 378 | 826 | 2085 | 123 | 284 | 411 | 511 | 849 | 417 | 475 |
| 378 | 1315 | 3806 | 94 | 475 | 412 | 630 | 1585 | 112 | 395 |
| 379 | 461 | 15781 | 196 | 464 | 412 | 891 | 884 | 232 | 312 |
| 379 | 878 | 83 | 386 | 386 | 412 | 1592 | 407 | 311 | 325 |
| 379 | 993 | 11879 | 123 | 372 | 413 | 1609 | 1004 | 142 | 353 |
| 379 | 1247 | 9787 | 52 | 301 | 414 | 559 | 530 | 264 | 278 |
| 379 | 1389 | 1849 | 393 | 397 | 414 | 1655 | 11 | 17 | 17 |
| 379 | 1443 | 2460 | 265 | 280 | 415 | 530 | 1885 | 408 | 491 |
| 379 | 1635 | 12774 | 150 | 409 | 415 | 1455 | 806 | 365 | 382 |
| 379 | 1774 | 2604 | 212 | 226 | 417 | 837 | 63 | 141 | 141 |
| 379 | 1782 | 14586 | 113 | 416 | 418 | 1277 | 1215 | 195 | 244 |
| 380 | 913 | 156 | 354 | 354 | 419 | 929 | 1570 | 88 | 139 |
| 380 | 1063 | 103 | 185 | 185 | 419 | 1296 | 2445 | 114 | 207 |
| 380 | 1270 | 2001 | 171 | 342 | 419 | 1307 | 4506 | 55 | 317 |
| 381 | 404 | 2175 | 130 | 489 | 419 | 1537 | 1826 | 210 | 244 |
| 383 | 1061 | 1293 | 161 | 171 | 419 | 1561 | 2864 | 367 | 422 |
| 383 | 1125 | 4632 | 396 | 458 | 419 | 1590 | 2904 | 347 | 406 |
| 383 | 1302 | 2791 | 60 | 141 | 420 | 701 | 111 | 446 | 446 |
| 383 | 1445 | 3668 | 357 | 391 | 421 | 1606 | 3199 | 129 | 448 |
| 383 | 1487 | 4702 | 193 | 285 | 421 | 1705 | 932 | 97 | 158 |
| 383 | 1674 | 3171 | 29 | 151 | 422 | 477 | 1732 | 299 | 337 |
| 383 | 1687 | 423 | 17 | 26 | 422 | 497 | 2150 | 137 | 230 |
| 384 | 722 | 2385 | 38 | 237 | 422 | 802 | 923 | 239 | 253 |
| 384 | 867 | 558 | 393 | 397 | 422 | 1188 | 3428 | 165 | 337 |
| 384 | 1071 | 4590 | 240 | 500 | 423 | 562 | 830 | 139 | 213 |
| 384 | 1448 | 2692 | 222 | 348 | 424 | 741 | 1741 | 200 | 322 |
| 388 | 711 | 2060 | 378 | 440 | 424 | 1417 | 2839 | 52 | 410 |
| 388 | 902 | 1844 | 74 | 219 | 425 | 959 | 1340 | 396 | 408 |
| 388 | 1121 | 3652 | 307 | 489 | 425 | 1044 | 1335 | 188 | 212 |
| 389 | 972 | 678 | 231 | 251 | 425 | 1713 | 323 | 316 | 317 |
| 389 | 1411 | 2982 | 58 | 424 | 427 | 1273 | 1480 | 288 | 318 |
| 394 | 940 | 2051 | 48 | 229 | 427 | 1298 | 2507 | 386 | 450 |
| 395 | 823 | 5196 | 303 | 438 | 427 | 1374 | 4684 | 217 | 478 |
| 395 | 901 | 5130 | 105 | 321 | 428 | 1696 | 3646 | 153 | 418 |
| 395 | 1057 | 717 | 173 | 178 | 430 | 983 | 1723 | 148 | 462 |
| 395 | 1420 | 1084 | 141 | 155 | 430 | 1505 | 1051 | 139 | 325 |
| 395 | 1652 | 8283 | 150 | 495 | 431 | 515 | 5290 | 179 | 251 |
| 395 | 1661 | 2176 | 316 | 338 | 433 | 1284 | 963 | 39 | 185 |
| 396 | 960 | 688 | 478 | 479 | 435 | 761 | 977 | 340 | 342 |
| 396 | 1014 | 2078 | 255 | 270 | 435 | 1204 | 15077 | 54 | 491 |
| 396 | 1311 | 5356 | 271 | 368 | 435 | 1358 | 1592 | 342 | 346 |
| 396 | 1319 | 8348 | 195 | 430 | 435 | 1698 | 4721 | 289 | 320 |
| 398 | 1064 | 594 | 92 | 134 | 438 | 1425 | 537 | 306 | 314 |
| 399 | 1159 | 1089 | 109 | 270 | 440 | 569 | 10356 | 304 | 400 |
| 400 | 1187 | 206 | 140 | 145 | 440 | 1706 | 12257 | 275 | 460 |
| 401 | 1343 | 4569 | 105 | 409 | 440 | 1740 | 4693 | 426 | 451 |
| 402 | 625 | 1610 | 329 | 470 | 441 | 896 | 176 | 59 | 64 |

TABLE I (continued)

| Numbered Asteroids | | ΔQ | Δi | I | Numbered Asteroids | | ΔQ | Δi | I |
|--------------------|------|------------|------------|-----|--------------------|------|------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 442 | 1492 | 2940 | 22 | 311 | 460 | 1486 | 43059 | 396 | 423 |
| 443 | 1020 | 5803 | 48 | 433 | 468 | 1686 | 11349 | 173 | 205 |
| 443 | 1671 | 2858 | 273 | 341 | 470 | 670 | 1563 | 305 | 365 |
| 444 | 572 | 1321 | 305 | 387 | 470 | 1175 | 2760 | 301 | 454 |
| 444 | 1023 | 1507 | 204 | 335 | 474 | 1043 | 1924 | 71 | 313 |
| 444 | 1114 | 25 | 444 | 444 | 476 | 1456 | 674 | 200 | 232 |
| 446 | 1186 | 1168 | 155 | 267 | 476 | 1543 | 2244 | 233 | 495 |
| 447 | 503 | 2712 | 234 | 330 | 477 | 602 | 2655 | 60 | 251 |
| 447 | 1450 | 2714 | 58 | 236 | 477 | 515 | 1547 | 256 | 295 |
| 447 | 1463 | 29 | 326 | 326 | 478 | 640 | 1132 | 148 | 299 |
| 447 | 1601 | 2400 | 141 | 248 | 479 | 1528 | 2746 | 127 | 430 |
| 448 | 597 | 2085 | 134 | 479 | 482 | 788 | 840 | 113 | 238 |
| 449 | 452 | 7618 | 128 | 438 | 482 | 1369 | 1354 | 205 | 344 |
| 449 | 1745 | 6988 | 170 | 423 | 483 | 491 | 893 | 131 | 316 |
| 450 | 1786 | 2256 | 267 | 481 | 484 | 625 | 524 | 264 | 287 |
| 452 | 534 | 808 | 56 | 72 | 485 | 1504 | 903 | 21 | 175 |
| 452 | 825 | 7864 | 179 | 488 | 488 | 1771 | 1765 | 271 | 442 |
| 452 | 1125 | 4282 | 166 | 287 | 490 | 1776 | 1534 | 199 | 319 |
| 452 | 1131 | 7492 | 14 | 422 | 492 | 641 | 5716 | 73 | 185 |
| 452 | 1336 | 4176 | 27 | 235 | 492 | 981 | 122 | 438 | 438 |
| 453 | 477 | 776 | 261 | 271 | 492 | 988 | 4574 | 26 | 132 |
| 453 | 802 | 3431 | 321 | 455 | 492 | 1073 | 6804 | 24 | 197 |
| 453 | 915 | 2323 | 5 | 225 | 492 | 1162 | 6388 | 275 | 338 |
| 454 | 578 | 2749 | 152 | 335 | 492 | 1253 | 6270 | 305 | 345 |
| 454 | 1354 | 1104 | 242 | 270 | 494 | 718 | 412 | 140 | 149 |
| 457 | 1596 | 26 | 323 | 323 | 494 | 769 | 1706 | 369 | 428 |
| 458 | 634 | 1806 | 301 | 453 | 494 | 1155 | 120 | 482 | 482 |
| 459 | 1087 | 972 | 257 | 309 | 495 | 1454 | 8372 | 158 | 380 |
| 460 | 1200 | 479 | 39 | 55 | 496 | 1257 | 6483 | 132 | 455 |
| 460 | 1475 | 5329 | 129 | 443 | 496 | 1502 | 2608 | 288 | 339 |
| 461 | 561 | 10976 | 1 | 275 | 496 | 1673 | 1743 | 220 | 247 |
| 461 | 954 | 7164 | 315 | 353 | 496 | 1739 | 3911 | 340 | 460 |
| 461 | 1082 | 8746 | 377 | 451 | 497 | 571 | 3576 | 367 | 483 |
| 461 | 1247 | 5994 | 288 | 332 | 497 | 802 | 1227 | 376 | 391 |
| 461 | 1539 | 13418 | 271 | 456 | 497 | 1080 | 4670 | 247 | 458 |
| 461 | 1615 | 3870 | 230 | 253 | 497 | 1188 | 1278 | 28 | 112 |
| 461 | 1782 | 1195 | 83 | 89 | 497 | 1541 | 4700 | 34 | 401 |
| 462 | 825 | 4130 | 210 | 317 | 499 | 748 | 6682 | 182 | 409 |
| 462 | 1125 | 7712 | 135 | 441 | 499 | 1014 | 4970 | 201 | 266 |
| 462 | 1131 | 4502 | 45 | 256 | 500 | 648 | 2524 | 218 | 485 |
| 462 | 1336 | 7818 | 4 | 435 | 501 | 1310 | 155 | 145 | 155 |
| 462 | 1553 | 5934 | 39 | 312 | 503 | 553 | 2709 | 351 | 429 |
| 462 | 1618 | 2303 | 33 | 133 | 503 | 1412 | 3351 | 215 | 425 |
| 462 | 1684 | 806 | 453 | 456 | 503 | 1601 | 5112 | 43 | 455 |
| 463 | 859 | 661 | 247 | 292 | 507 | 608 | 137 | 124 | 126 |
| 464 | 1702 | 1506 | 169 | 313 | 507 | 1507 | 1297 | 226 | 309 |
| 465 | 1324 | 1234 | 117 | 153 | 509 | 771 | 532 | 431 | 453 |
| 465 | 1370 | 2867 | 102 | 258 | 509 | 1102 | 863 | 395 | 458 |
| 465 | 1763 | 1174 | 397 | 397 | 510 | 1286 | 1781 | 191 | 348 |
| 468 | 551 | 13799 | 52 | 124 | 510 | 1287 | 561 | 261 | 277 |
| 468 | 637 | 20569 | 156 | 216 | 512 | 560 | 1471 | 286 | 361 |
| 469 | 996 | 32460 | 204 | 380 | 514 | 901 | 4070 | 423 | 496 |
| 468 | 1074 | 17759 | 379 | 428 | 514 | 1109 | 9 | 320 | 320 |
| 468 | 1340 | 35018 | 52 | 278 | 514 | 1147 | 4122 | 4 | 278 |
| 469 | 1383 | 176715 | 466 | 494 | 515 | 1624 | 11448 | 28 | 398 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|-----------------------|------------|-----|--------------------|------|-----------------------|------------|-----|
| j | k | 0 ^o .001 × | | | j | k | 0 ^o .001 × | | |
| 516 | 1090 | 799 | 367 | 410 | 549 | 1643 | 2369 | 432 | 459 |
| 516 | 1106 | 1502 | 82 | 350 | 551 | 637 | 6770 | 104 | 112 |
| 517 | 1153 | 5641 | 125 | 345 | 551 | 996 | 18661 | 266 | 318 |
| 518 | 1201 | 615 | 261 | 271 | 551 | 1340 | 21219 | 10 | 156 |
| 519 | 731 | 2062 | 302 | 492 | 551 | 1383 | 162916 | 404 | 431 |
| 519 | 1186 | 1502 | 222 | 361 | 551 | 1486 | 29260 | 334 | 347 |
| 521 | 1278 | 280 | 337 | 341 | 551 | 1686 | 2450 | 235 | 236 |
| 521 | 1665 | 1596 | 288 | 413 | 553 | 1185 | 451 | 311 | 314 |
| 522 | 877 | 7310 | 143 | 227 | 553 | 1601 | 2404 | 444 | 454 |
| 522 | 1577 | 4878 | 63 | 378 | 553 | 1773 | 2291 | 16 | 216 |
| 522 | 1703 | 6236 | 103 | 497 | 554 | 557 | 2121 | 436 | 447 |
| 524 | 1639 | 2197 | 161 | 357 | 554 | 1496 | 825 | 429 | 431 |
| 525 | 540 | 1337 | 415 | 436 | 555 | 811 | 212 | 482 | 482 |
| 525 | 1387 | 13 | 481 | 481 | 555 | 1269 | 4811 | 92 | 244 |
| 525 | 1632 | 3030 | 290 | 423 | 556 | 883 | 16 | 489 | 489 |
| 526 | 710 | 2515 | 426 | 434 | 556 | 1756 | 5157 | 93 | 474 |
| 526 | 851 | 3189 | 224 | 257 | 557 | 969 | 3309 | 207 | 249 |
| 526 | 1003 | 2095 | 348 | 355 | 557 | 1496 | 1296 | 7 | 57 |
| 526 | 1142 | 1642 | 70 | 93 | 557 | 1740 | 3330 | 473 | 491 |
| 526 | 1539 | 5770 | 457 | 496 | 558 | 622 | 1885 | 275 | 391 |
| 526 | 1624 | 3837 | 190 | 235 | 558 | 716 | 2533 | 150 | 401 |
| 527 | 537 | 288 | 220 | 225 | 558 | 824 | 2026 | 275 | 399 |
| 527 | 1015 | 678 | 245 | 270 | 558 | 1414 | 256 | 490 | 491 |
| 527 | 1593 | 844 | 314 | 345 | 559 | 887 | 1579 | 209 | 327 |
| 529 | 742 | 899 | 187 | 255 | 559 | 1655 | 541 | 247 | 262 |
| 529 | 1359 | 1061 | 71 | 216 | 561 | 710 | 5697 | 301 | 340 |
| 530 | 1163 | 1089 | 458 | 487 | 561 | 1003 | 6117 | 379 | 416 |
| 530 | 1603 | 1321 | 17 | 197 | 561 | 1082 | 2180 | 376 | 381 |
| 533 | 1409 | 3222 | 172 | 409 | 561 | 1097 | 12284 | 78 | 326 |
| 534 | 580 | 5151 | 366 | 480 | 561 | 1539 | 2442 | 270 | 278 |
| 534 | 825 | 7056 | 123 | 429 | 561 | 1615 | 7106 | 229 | 299 |
| 534 | 1125 | 3474 | 222 | 293 | 561 | 1782 | 12171 | 82 | 324 |
| 534 | 1131 | 6684 | 42 | 382 | 566 | 782 | 748 | 331 | 338 |
| 534 | 1336 | 3368 | 83 | 207 | 566 | 857 | 1619 | 370 | 397 |
| 535 | 1348 | 3128 | 184 | 407 | 566 | 1083 | 273 | 212 | 213 |
| 537 | 1015 | 390 | 465 | 470 | 566 | 1154 | 2762 | 391 | 453 |
| 537 | 1593 | 1132 | 94 | 217 | 566 | 1663 | 2293 | 433 | 479 |
| 538 | 627 | 444 | 75 | 90 | 566 | 1667 | 237 | 309 | 310 |
| 538 | 1085 | 2335 | 107 | 289 | 567 | 1038 | 747 | 25 | 123 |
| 539 | 1176 | 1976 | 164 | 283 | 569 | 1100 | 3211 | 252 | 260 |
| 539 | 1644 | 3157 | 216 | 436 | 569 | 1497 | 60 | 224 | 224 |
| 540 | 1037 | 2515 | 195 | 309 | 570 | 586 | 3330 | 130 | 162 |
| 540 | 1387 | 1350 | 66 | 146 | 570 | 1793 | 99 | 238 | 238 |
| 540 | 1632 | 1693 | 125 | 208 | 571 | 802 | 4803 | 9 | 438 |
| 540 | 1791 | 2807 | 206 | 338 | 571 | 1188 | 2298 | 395 | 443 |
| 541 | 1407 | 1353 | 189 | 234 | 571 | 1541 | 1124 | 333 | 347 |
| 541 | 1535 | 1577 | 190 | 253 | 571 | 1790 | 1443 | 115 | 174 |
| 542 | 1384 | 163 | 245 | 247 | 572 | 1114 | 1296 | 139 | 277 |
| 543 | 544 | 3018 | 104 | 453 | 573 | 1538 | 242 | 365 | 367 |
| 548 | 1141 | 2844 | 407 | 454 | 574 | 684 | 557 | 181 | 189 |
| 548 | 1551 | 1425 | 106 | 142 | 574 | 1279 | 668 | 31 | 73 |
| 548 | 1595 | 3580 | 295 | 387 | 574 | 1697 | 4913 | 16 | 487 |
| 548 | 1684 | 2350 | 224 | 272 | 576 | 657 | 2628 | 19 | 467 |
| 549 | 763 | 1744 | 119 | 171 | 577 | 765 | 2960 | 275 | 393 |
| 549 | 985 | 1104 | 103 | 129 | 577 | 819 | 2947 | 400 | 478 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|-----------------------|------------|-----|--------------------|------|-----------------------|------------|-----|
| j | k | 0 ^o .001 × | | | j | k | 0 ^o .001 × | | |
| 577 | 1152 | 1746 | 230 | 279 | 637 | 1340 | 14449 | 114 | 147 |
| 577 | 1523 | 2315 | 148 | 258 | 637 | 1383 | 156146 | 300 | 327 |
| 577 | 1697 | 1761 | 377 | 413 | 637 | 1486 | 22490 | 230 | 239 |
| 578 | 1354 | 1645 | 90 | 197 | 637 | 1686 | 5220 | 339 | 347 |
| 580 | 925 | 1905 | 243 | 270 | 638 | 1391 | 750 | 85 | 131 |
| 580 | 1010 | 245 | 262 | 262 | 639 | 972 | 2380 | 225 | 416 |
| 580 | 1131 | 1533 | 408 | 418 | 641 | 981 | 5838 | 360 | 408 |
| 580 | 1336 | 1783 | 449 | 461 | 641 | 988 | 1142 | 104 | 109 |
| 580 | 1618 | 3732 | 420 | 476 | 641 | 1073 | 1188 | 102 | 108 |
| 580 | 1684 | 6841 | 0 | 435 | 641 | 1162 | 672 | 197 | 198 |
| 583 | 1224 | 44 | 347 | 347 | 641 | 1253 | 554 | 383 | 383 |
| 586 | 1442 | 7683 | 366 | 412 | 641 | 1698 | 13057 | 173 | 409 |
| 586 | 1793 | 3231 | 108 | 139 | 642 | 843 | 2932 | 143 | 436 |
| 589 | 1564 | 387 | 263 | 273 | 643 | 1441 | 880 | 198 | 289 |
| 590 | 1210 | 713 | 105 | 174 | 644 | 1720 | 17710 | 314 | 413 |
| 591 | 760 | 739 | 283 | 326 | 649 | 1392 | 1457 | 336 | 460 |
| 591 | 1406 | 829 | 95 | 203 | 650 | 703 | 2832 | 98 | 158 |
| 592 | 688 | 2668 | 29 | 476 | 650 | 1130 | 132 | 389 | 389 |
| 592 | 1465 | 676 | 227 | 256 | 650 | 1150 | 9822 | 168 | 454 |
| 596 | 966 | 1387 | 232 | 418 | 650 | 1542 | 3835 | 186 | 256 |
| 607 | 1214 | 535 | 247 | 264 | 653 | 807 | 911 | 19 | 179 |
| 608 | 1297 | 1880 | 365 | 473 | 653 | 1334 | 273 | 145 | 155 |
| 608 | 1507 | 1160 | 102 | 214 | 653 | 1711 | 2318 | 201 | 492 |
| 609 | 1636 | 2531 | 267 | 327 | 655 | 1104 | 978 | 57 | 124 |
| 611 | 1469 | 527 | 57 | 135 | 656 | 822 | 24208 | 234 | 337 |
| 613 | 1587 | 2411 | 179 | 372 | 656 | 1229 | 14396 | 373 | 405 |
| 614 | 668 | 2317 | 192 | 339 | 656 | 1383 | 18336 | 458 | 459 |
| 615 | 1183 | 1528 | 31 | 81 | 656 | 1638 | 15721 | 199 | 222 |
| 615 | 1225 | 1494 | 304 | 313 | 656 | 1788 | 24255 | 179 | 294 |
| 615 | 1332 | 587 | 296 | 297 | 658 | 717 | 5097 | 222 | 265 |
| 615 | 1724 | 4700 | 329 | 392 | 658 | 828 | 11162 | 374 | 455 |
| 617 | 965 | 844 | 338 | 462 | 658 | 1382 | 1608 | 41 | 60 |
| 620 | 671 | 1191 | 325 | 364 | 659 | 1135 | 455 | 40 | 54 |
| 620 | 1018 | 394 | 32 | 62 | 659 | 1267 | 1865 | 100 | 176 |
| 620 | 1587 | 2117 | 159 | 326 | 659 | 1381 | 1442 | 17 | 115 |
| 621 | 936 | 4152 | 85 | 191 | 661 | 1157 | 1699 | 260 | 380 |
| 621 | 991 | 3065 | 227 | 256 | 661 | 1182 | 388 | 130 | 144 |
| 621 | 1259 | 7869 | 84 | 335 | 661 | 1426 | 760 | 186 | 222 |
| 621 | 1261 | 1474 | 116 | 131 | 662 | 736 | 2027 | 247 | 289 |
| 621 | 1305 | 4103 | 7 | 167 | 662 | 1111 | 1054 | 244 | 255 |
| 621 | 1761 | 9611 | 146 | 427 | 662 | 1513 | 2445 | 154 | 231 |
| 622 | 1414 | 2141 | 215 | 390 | 662 | 1648 | 3274 | 430 | 496 |
| 622 | 1528 | 2763 | 99 | 424 | 669 | 1410 | 186 | 422 | 423 |
| 627 | 1085 | 2779 | 182 | 366 | 671 | 843 | 3452 | 45 | 484 |
| 627 | 1251 | 2108 | 418 | 477 | 671 | 1018 | 1585 | 357 | 418 |
| 628 | 931 | 985 | 210 | 286 | 671 | 1587 | 3308 | 170 | 489 |
| 628 | 1220 | 1324 | 229 | 347 | 672 | 1002 | 516 | 372 | 385 |
| 630 | 891 | 701 | 344 | 382 | 672 | 1231 | 966 | 390 | 434 |
| 632 | 1610 | 2337 | 23 | 93 | 673 | 1143 | 7005 | 289 | 466 |
| 633 | 1148 | 1881 | 73 | 362 | 674 | 815 | 1605 | 311 | 491 |
| 633 | 1649 | 1595 | 102 | 317 | 678 | 1525 | 1246 | 198 | 237 |
| 636 | 1072 | 1663 | 77 | 243 | 682 | 920 | 176 | 31 | 47 |
| 637 | 846 | 91850 | 65 | 407 | 684 | 1279 | 111 | 212 | 212 |
| 637 | 996 | 11891 | 370 | 382 | 684 | 1697 | 4356 | 165 | 455 |
| 637 | 1045 | 90594 | 57 | 408 | 685 | 929 | 4855 | 264 | 404 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 685 | 1307 | 1719 | 297 | 310 | 728 | 1154 | 1821 | 247 | 284 |
| 685 | 1537 | 4399 | 142 | 310 | 728 | 1511 | 3876 | 222 | 359 |
| 685 | 1726 | 3931 | 181 | 303 | 728 | 1667 | 4820 | 329 | 498 |
| 685 | 1752 | 1644 | 147 | 179 | 728 | 1680 | 2087 | 35 | 160 |
| 686 | 699 | 44 | 380 | 380 | 730 | 1010 | 3462 | 322 | 405 |
| 686 | 726 | 1027 | 310 | 414 | 731 | 1515 | 2426 | 36 | 452 |
| 688 | 1410 | 227 | 145 | 151 | 734 | 1016 | 4250 | 205 | 485 |
| 689 | 1722 | 579 | 250 | 256 | 736 | 1513 | 418 | 401 | 402 |
| 694 | 1009 | 910 | 38 | 250 | 736 | 1648 | 5301 | 183 | 451 |
| 696 | 1313 | 566 | 478 | 494 | 738 | 811 | 1741 | 395 | 408 |
| 698 | 906 | 338 | 268 | 277 | 738 | 1111 | 38 | 360 | 360 |
| 698 | 1715 | 2014 | 33 | 404 | 738 | 1748 | 6898 | 229 | 469 |
| 699 | 726 | 983 | 70 | 269 | 740 | 1105 | 604 | 85 | 142 |
| 700 | 1681 | 2073 | 430 | 499 | 742 | 1359 | 162 | 116 | 120 |
| 701 | 1777 | 3470 | 101 | 438 | 742 | 1364 | 353 | 285 | 293 |
| 701 | 1728 | 3805 | 119 | 489 | 744 | 824 | 824 | 397 | 413 |
| 703 | 1130 | 2700 | 291 | 310 | 748 | 847 | 4691 | 210 | 286 |
| 703 | 1150 | 6990 | 70 | 302 | 748 | 1292 | 5037 | 99 | 218 |
| 703 | 1542 | 1003 | 284 | 288 | 748 | 1666 | 3082 | 421 | 441 |
| 706 | 934 | 396 | 353 | 366 | 748 | 1699 | 7158 | 291 | 393 |
| 706 | 1719 | 1728 | 173 | 463 | 749 | 758 | 3534 | 221 | 404 |
| 707 | 1530 | 4166 | 152 | 350 | 749 | 1026 | 5083 | 4 | 477 |
| 708 | 841 | 649 | 297 | 300 | 750 | 1012 | 3440 | 114 | 266 |
| 708 | 1470 | 4131 | 271 | 364 | 750 | 1089 | 1612 | 215 | 241 |
| 708 | 1481 | 977 | 68 | 91 | 750 | 1602 | 5257 | 218 | 431 |
| 708 | 1608 | 1653 | 446 | 459 | 752 | 1549 | 400 | 392 | 394 |
| 710 | 1003 | 420 | 78 | 79 | 752 | 1772 | 3556 | 187 | 408 |
| 710 | 1082 | 7877 | 75 | 255 | 753 | 1534 | 1139 | 242 | 312 |
| 710 | 1097 | 6587 | 223 | 291 | 755 | 827 | 4012 | 174 | 290 |
| 710 | 1142 | 873 | 356 | 357 | 755 | 1621 | 4957 | 72 | 286 |
| 710 | 1539 | 3255 | 31 | 103 | 757 | 1124 | 159 | 371 | 372 |
| 710 | 1615 | 12803 | 72 | 387 | 758 | 1026 | 1549 | 217 | 263 |
| 710 | 1624 | 6352 | 236 | 313 | 758 | 1056 | 2058 | 177 | 265 |
| 711 | 1121 | 1392 | 71 | 165 | 760 | 1406 | 90 | 378 | 379 |
| 712 | 1690 | 687 | 289 | 327 | 761 | 1029 | 6213 | 275 | 372 |
| 716 | 1414 | 2277 | 340 | 483 | 761 | 1358 | 2569 | 2 | 97 |
| 717 | 1382 | 6705 | 181 | 265 | 763 | 985 | 640 | 16 | 48 |
| 718 | 1155 | 532 | 342 | 348 | 763 | 1530 | 3712 | 334 | 433 |
| 720 | 975 | 3001 | 208 | 245 | 765 | 1523 | 641 | 423 | 427 |
| 720 | 981 | 10557 | 287 | 499 | 765 | 1697 | 4721 | 102 | 474 |
| 720 | 1029 | 5869 | 84 | 260 | 767 | 1259 | 4965 | 15 | 210 |
| 720 | 1162 | 4047 | 450 | 474 | 767 | 1261 | 11360 | 17 | 481 |
| 720 | 1223 | 5127 | 197 | 295 | 767 | 1302 | 10172 | 178 | 479 |
| 720 | 1440 | 10788 | 72 | 443 | 767 | 1445 | 9295 | 119 | 401 |
| 722 | 867 | 1827 | 355 | 400 | 767 | 1761 | 3223 | 47 | 145 |
| 722 | 1448 | 307 | 184 | 187 | 770 | 1219 | 2196 | 26 | 171 |
| 722 | 1599 | 1642 | 453 | 493 | 770 | 1472 | 666 | 180 | 187 |
| 722 | 1664 | 937 | 477 | 487 | 770 | 1738 | 202 | 490 | 490 |
| 723 | 794 | 625 | 238 | 244 | 775 | 1297 | 2090 | 281 | 435 |
| 723 | 799 | 948 | 266 | 279 | 775 | 1485 | 316 | 352 | 356 |
| 723 | 1668 | 2282 | 256 | 321 | 778 | 1113 | 736 | 91 | 192 |
| 725 | 750 | 619 | 150 | 156 | 778 | 1206 | 599 | 296 | 326 |
| 725 | 1012 | 4059 | 264 | 383 | 782 | 957 | 2367 | 39 | 221 |
| 725 | 1089 | 2231 | 65 | 160 | 792 | 967 | 1875 | 160 | 237 |
| 727 | 1329 | 552 | 402 | 470 | 782 | 1047 | 2164 | 402 | 452 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 782 | 1083 | 475 | 119 | 127 | 825 | 1618 | 1827 | 177 | 206 |
| 782 | 1663 | 3041 | 102 | 360 | 825 | 1684 | 4936 | 243 | 388 |
| 784 | 1519 | 103 | 6 | 23 | 828 | 1382 | 9554 | 415 | 472 |
| 794 | 799 | 323 | 28 | 41 | 828 | 1462 | 23464 | 130 | 461 |
| 794 | 1722 | 4240 | 276 | 482 | 828 | 1669 | 17262 | 156 | 358 |
| 797 | 1256 | 714 | 347 | 351 | 830 | 935 | 4203 | 219 | 362 |
| 797 | 1561 | 6096 | 102 | 480 | 831 | 1451 | 2970 | 275 | 376 |
| 797 | 1611 | 830 | 218 | 227 | 832 | 1645 | 13545 | 20 | 237 |
| 798 | 1291 | 1269 | 127 | 241 | 832 | 1704 | 4758 | 29 | 86 |
| 798 | 1353 | 2498 | 23 | 398 | 832 | 1779 | 1154 | 100 | 102 |
| 799 | 1722 | 3917 | 248 | 442 | 833 | 1416 | 907 | 245 | 292 |
| 800 | 1274 | 2471 | 144 | 236 | 833 | 1678 | 943 | 337 | 375 |
| 800 | 1682 | 568 | 231 | 239 | 834 | 1020 | 2390 | 324 | 367 |
| 802 | 915 | 1108 | 316 | 333 | 834 | 1084 | 3879 | 78 | 276 |
| 802 | 1188 | 2505 | 404 | 460 | 834 | 1352 | 2860 | 213 | 287 |
| 804 | 973 | 381 | 413 | 425 | 834 | 1435 | 7035 | 73 | 495 |
| 807 | 1334 | 1184 | 164 | 285 | 834 | 1671 | 5335 | 3 | 368 |
| 808 | 831 | 3132 | 116 | 285 | 835 | 1034 | 5364 | 302 | 469 |
| 808 | 1020 | 409 | 431 | 432 | 835 | 1228 | 1863 | 398 | 414 |
| 810 | 962 | 6556 | 18 | 297 | 835 | 1491 | 4650 | 93 | 317 |
| 810 | 1004 | 1667 | 357 | 366 | 836 | 1475 | 373 | 335 | 336 |
| 810 | 1245 | 315 | 267 | 267 | 838 | 896 | 1986 | 210 | 412 |
| 810 | 1489 | 3263 | 194 | 241 | 840 | 1189 | 1810 | 85 | 323 |
| 810 | 1742 | 125 | 124 | 124 | 841 | 1481 | 328 | 229 | 230 |
| 810 | 1762 | 8198 | 337 | 482 | 841 | 1608 | 2302 | 149 | 215 |
| 810 | 1764 | 123 | 388 | 308 | 842 | 1134 | 349 | 397 | 407 |
| 811 | 1171 | 8102 | 75 | 443 | 846 | 1045 | 1256 | 8 | 10 |
| 811 | 1269 | 4599 | 390 | 455 | 846 | 1340 | 77401 | 179 | 446 |
| 811 | 1331 | 9024 | 48 | 490 | 846 | 1383 | 64296 | 235 | 243 |
| 811 | 1350 | 8717 | 195 | 500 | 846 | 1486 | 69360 | 165 | 233 |
| 811 | 1748 | 5157 | 166 | 333 | 846 | 1638 | 66911 | 24 | 288 |
| 812 | 1572 | 496 | 63 | 131 | 847 | 1292 | 346 | 309 | 309 |
| 813 | 941 | 820 | 265 | 280 | 847 | 1566 | 7773 | 211 | 408 |
| 813 | 1375 | 813 | 459 | 467 | 848 | 1229 | 9637 | 163 | 225 |
| 813 | 1563 | 1643 | 318 | 363 | 848 | 1363 | 5437 | 75 | 124 |
| 813 | 1676 | 2840 | 160 | 347 | 848 | 1442 | 11535 | 234 | 325 |
| 816 | 1127 | 640 | 362 | 396 | 848 | 1672 | 74202 | 0 | 423 |
| 818 | 1115 | 1217 | 351 | 479 | 851 | 962 | 5277 | 190 | 297 |
| 819 | 1152 | 1201 | 170 | 199 | 851 | 1142 | 1547 | 294 | 300 |
| 820 | 868 | 2825 | 121 | 314 | 851 | 1269 | 5353 | 247 | 421 |
| 820 | 870 | 2178 | 251 | 341 | 851 | 1624 | 7026 | 414 | 492 |
| 821 | 1419 | 2911 | 353 | 451 | 854 | 956 | 2367 | 152 | 291 |
| 822 | 848 | 175 | 302 | 302 | 854 | 1708 | 4303 | 4 | 456 |
| 822 | 1229 | 9812 | 139 | 192 | 854 | 1743 | 1269 | 296 | 327 |
| 822 | 1363 | 5262 | 377 | 385 | 855 | 1786 | 54 | 468 | 468 |
| 822 | 1638 | 8487 | 433 | 438 | 857 | 567 | 492 | 121 | 129 |
| 822 | 1672 | 24377 | 302 | 467 | 857 | 974 | 3208 | 140 | 331 |
| 823 | 951 | 1874 | 452 | 469 | 857 | 1083 | 1892 | 158 | 234 |
| 823 | 1057 | 4479 | 130 | 308 | 857 | 1549 | 2557 | 251 | 349 |
| 823 | 1169 | 365 | 401 | 402 | 857 | 1663 | 674 | 63 | 89 |
| 823 | 1420 | 6280 | 162 | 422 | 858 | 1550 | 1925 | 55 | 302 |
| 823 | 1652 | 3087 | 453 | 489 | 858 | 1594 | 2133 | 45 | 334 |
| 825 | 1125 | 3582 | 345 | 399 | 862 | 982 | 352 | 324 | 335 |
| 825 | 1131 | 372 | 165 | 166 | 867 | 1448 | 2134 | 171 | 279 |
| 825 | 1336 | 3689 | 206 | 296 | 867 | 1599 | 3469 | 108 | 381 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 867 | 1664 | 2764 | 122 | 316 | 936 | 1261 | 5626 | 31 | 240 |
| 870 | 1689 | 2754 | 160 | 341 | 936 | 1305 | 49 | 78 | 78 |
| 971 | 1120 | 717 | 205 | 211 | 937 | 1792 | 6434 | 201 | 451 |
| 871 | 1733 | 1566 | 171 | 208 | 938 | 1171 | 3660 | 394 | 434 |
| 871 | 1736 | 1792 | 298 | 328 | 938 | 1331 | 2738 | 421 | 443 |
| 871 | 1759 | 1293 | 309 | 325 | 938 | 1623 | 3542 | 168 | 231 |
| 872 | 1795 | 1822 | 167 | 289 | 938 | 1623 | 4240 | 17 | 198 |
| 873 | 1055 | 3393 | 10 | 312 | 939 | 1493 | 3679 | 7 | 166 |
| 873 | 1217 | 1892 | 115 | 207 | 941 | 947 | 3974 | 140 | 480 |
| 874 | 1783 | 1339 | 352 | 431 | 941 | 1676 | 2020 | 425 | 480 |
| 875 | 923 | 1653 | 121 | 432 | 946 | 1091 | 9765 | 270 | 350 |
| 876 | 1723 | 604 | 422 | 450 | 946 | 1128 | 10869 | 427 | 486 |
| 877 | 1595 | 4098 | 114 | 322 | 946 | 1239 | 3914 | 230 | 254 |
| 877 | 1703 | 3918 | 246 | 388 | 948 | 1710 | 852 | 217 | 251 |
| 878 | 993 | 11796 | 263 | 468 | 950 | 1051 | 646 | 232 | 346 |
| 878 | 1247 | 4870 | 294 | 436 | 951 | 1169 | 2235 | 51 | 167 |
| 878 | 1389 | 1766 | 7 | 63 | 952 | 1226 | 1422 | 159 | 291 |
| 878 | 1443 | 2877 | 121 | 156 | 954 | 1576 | 3079 | 195 | 203 |
| 878 | 1635 | 12691 | 236 | 482 | 954 | 1672 | 21889 | 116 | 420 |
| 878 | 1774 | 2521 | 174 | 194 | 954 | 1691 | 10946 | 79 | 221 |
| 882 | 1181 | 1935 | 422 | 465 | 954 | 1782 | 5969 | 398 | 421 |
| 883 | 1530 | 241 | 310 | 311 | 954 | 1789 | 2198 | 473 | 474 |
| 884 | 1112 | 2907 | 98 | 463 | 956 | 1708 | 1536 | 148 | 251 |
| 884 | 1485 | 3003 | 33 | 467 | 958 | 1062 | 1797 | 64 | 188 |
| 885 | 1004 | 5231 | 327 | 433 | 958 | 1077 | 2578 | 257 | 358 |
| 885 | 1076 | 5310 | 24 | 306 | 959 | 1044 | 5 | 208 | 208 |
| 885 | 1245 | 3249 | 417 | 452 | 959 | 1122 | 3503 | 283 | 404 |
| 887 | 1655 | 1038 | 456 | 486 | 959 | 1480 | 3596 | 405 | 499 |
| 889 | 1627 | 299 | 357 | 360 | 959 | 1630 | 4884 | 76 | 391 |
| 891 | 1592 | 477 | 79 | 136 | 960 | 1311 | 4668 | 207 | 315 |
| 901 | 1057 | 5847 | 68 | 361 | 960 | 1652 | 1997 | 175 | 206 |
| 901 | 1147 | 52 | 427 | 427 | 962 | 1245 | 6241 | 285 | 411 |
| 901 | 1420 | 4046 | 36 | 242 | 962 | 1350 | 6512 | 352 | 471 |
| 901 | 1661 | 2954 | 421 | 453 | 962 | 1489 | 9819 | 176 | 461 |
| 903 | 1386 | 1830 | 116 | 388 | 962 | 1742 | 6431 | 106 | 303 |
| 903 | 1597 | 851 | 219 | 279 | 962 | 1764 | 6679 | 370 | 463 |
| 906 | 1715 | 1676 | 301 | 453 | 966 | 1140 | 448 | 299 | 319 |
| 913 | 1063 | 53 | 169 | 169 | 957 | 974 | 3700 | 19 | 351 |
| 913 | 1270 | 2957 | 183 | 355 | 967 | 1047 | 4039 | 242 | 459 |
| 915 | 1016 | 486 | 490 | 492 | 967 | 1083 | 1400 | 279 | 307 |
| 916 | 1187 | 1621 | 388 | 495 | 967 | 1549 | 3049 | 130 | 319 |
| 917 | 1062 | 1077 | 471 | 482 | 967 | 1663 | 1166 | 58 | 124 |
| 917 | 1066 | 1922 | 297 | 341 | 969 | 1496 | 4605 | 214 | 288 |
| 917 | 1077 | 3298 | 278 | 411 | 969 | 1740 | 6647 | 266 | 365 |
| 918 | 1510 | 946 | 217 | 293 | 970 | 1092 | 3456 | 331 | 457 |
| 922 | 1201 | 2186 | 259 | 375 | 971 | 1357 | 276 | 210 | 220 |
| 929 | 1296 | 4015 | 202 | 346 | 972 | 1411 | 2304 | 289 | 438 |
| 929 | 1307 | 2936 | 33 | 204 | 974 | 1549 | 651 | 111 | 127 |
| 929 | 1537 | 256 | 122 | 123 | 974 | 1589 | 4370 | 182 | 446 |
| 929 | 1561 | 1294 | 455 | 464 | 974 | 1663 | 2534 | 77 | 251 |
| 929 | 1726 | 724 | 445 | 447 | 974 | 1772 | 2505 | 316 | 399 |
| 931 | 1220 | 339 | 19 | 69 | 975 | 1029 | 8870 | 124 | 407 |
| 931 | 1758 | 664 | 468 | 485 | 975 | 1223 | 2126 | 11 | 96 |
| 932 | 1053 | 3034 | 218 | 487 | 975 | 1440 | 7787 | 280 | 432 |
| 936 | 991 | 1087 | 312 | 315 | 981 | 988 | 4696 | 464 | 480 |

TABLE I (continued)

| Numbered Asteroids | | ΔC_i | Δi | I | Numbered Asteroids | | ΔC_i | Δi | I |
|--------------------|------|--------------|------------|-----|--------------------|------|--------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 981 | 1162 | 6510 | 163 | 279 | 1038 | 1237 | 302 | 493 | 496 |
| 981 | 1440 | 231 | 216 | 216 | 1039 | 1590 | 4799 | 193 | 418 |
| 983 | 1177 | 918 | 210 | 321 | 1043 | 1283 | 2000 | 55 | 313 |
| 985 | 1530 | 4352 | 350 | 475 | 1044 | 1630 | 4889 | 284 | 470 |
| 988 | 1027 | 12545 | 350 | 469 | 1045 | 1340 | 76145 | 171 | 443 |
| 988 | 1073 | 2330 | 2 | 66 | 1045 | 1393 | 65552 | 243 | 252 |
| 988 | 1162 | 1814 | 301 | 306 | 1045 | 1486 | 68104 | 173 | 239 |
| 989 | 1253 | 1656 | 279 | 282 | 1045 | 1638 | 68167 | 16 | 297 |
| 989 | 1698 | 14199 | 69 | 396 | 1047 | 1773 | 3725 | 259 | 443 |
| 991 | 1261 | 4539 | 343 | 367 | 1049 | 1158 | 1175 | 237 | 386 |
| 991 | 1305 | 1039 | 234 | 237 | 1054 | 1771 | 143 | 393 | 394 |
| 993 | 1289 | 9429 | 165 | 321 | 1055 | 1217 | 1501 | 125 | 165 |
| 993 | 1309 | 10030 | 270 | 426 | 1057 | 1420 | 1801 | 32 | 114 |
| 993 | 1443 | 8919 | 142 | 318 | 1059 | 1230 | 123 | 374 | 375 |
| 993 | 1536 | 11223 | 260 | 400 | 1059 | 1286 | 635 | 438 | 451 |
| 993 | 1570 | 6003 | 116 | 212 | 1060 | 1167 | 4300 | 232 | 493 |
| 993 | 1635 | 895 | 27 | 39 | 1060 | 1203 | 3878 | 5 | 401 |
| 993 | 1774 | 9275 | 89 | 305 | 1060 | 1328 | 3382 | 208 | 401 |
| 994 | 1160 | 1086 | 381 | 475 | 1060 | 1377 | 1969 | 82 | 211 |
| 996 | 1340 | 2558 | 256 | 257 | 1061 | 1302 | 1498 | 101 | 121 |
| 996 | 1686 | 21111 | 31 | 247 | 1061 | 1445 | 2375 | 196 | 220 |
| 1003 | 1082 | 8297 | 3 | 263 | 1061 | 1487 | 5995 | 32 | 262 |
| 1003 | 1097 | 6167 | 301 | 350 | 1061 | 1674 | 4464 | 190 | 277 |
| 1003 | 1142 | 453 | 270 | 278 | 1061 | 1687 | 1716 | 144 | 163 |
| 1003 | 1539 | 3675 | 109 | 157 | 1062 | 1077 | 4375 | 193 | 462 |
| 1003 | 1615 | 13223 | 150 | 428 | 1062 | 1747 | 1514 | 454 | 479 |
| 1003 | 1624 | 5932 | 158 | 252 | 1063 | 1270 | 2904 | 14 | 303 |
| 1004 | 1245 | 1982 | 90 | 135 | 1065 | 1532 | 335 | 433 | 436 |
| 1004 | 1742 | 1792 | 481 | 488 | 1067 | 1194 | 1530 | 375 | 470 |
| 1008 | 1205 | 2092 | 42 | 328 | 1068 | 1285 | 1074 | 198 | 224 |
| 1012 | 1089 | 1028 | 329 | 352 | 1071 | 1375 | 64 | 491 | 491 |
| 1012 | 1137 | 5294 | 267 | 470 | 1073 | 1162 | 516 | 299 | 299 |
| 1012 | 1483 | 953 | 421 | 427 | 1073 | 1253 | 634 | 281 | 281 |
| 1012 | 1602 | 1817 | 104 | 167 | 1073 | 1698 | 11869 | 71 | 334 |
| 1014 | 1438 | 9265 | 333 | 476 | 1074 | 1128 | 20087 | 167 | 368 |
| 1017 | 1216 | 2225 | 333 | 449 | 1074 | 1253 | 1382 | 475 | 476 |
| 1017 | 1646 | 985 | 440 | 462 | 1074 | 1462 | 12738 | 165 | 266 |
| 1018 | 1587 | 1723 | 157 | 299 | 1074 | 1669 | 18520 | 139 | 335 |
| 1020 | 1671 | 2945 | 321 | 384 | 1074 | 1686 | 29109 | 266 | 429 |
| 1023 | 1767 | 1923 | 238 | 408 | 1076 | 1350 | 4194 | 374 | 430 |
| 1026 | 1056 | 509 | 40 | 62 | 1078 | 1634 | 3025 | 237 | 460 |
| 1027 | 1073 | 10215 | 392 | 434 | 1078 | 1681 | 851 | 153 | 187 |
| 1027 | 1074 | 9467 | 454 | 439 | 1079 | 1100 | 24646 | 146 | 496 |
| 1027 | 1253 | 10849 | 71 | 255 | 1079 | 1769 | 10979 | 406 | 484 |
| 1027 | 1462 | 3271 | 239 | 248 | 1080 | 1188 | 3392 | 219 | 355 |
| 1027 | 1669 | 9453 | 265 | 323 | 1080 | 1396 | 2658 | 113 | 240 |
| 1027 | 1698 | 1654 | 231 | 284 | 1080 | 1541 | 30 | 281 | 281 |
| 1029 | 1223 | 10996 | 113 | 493 | 1080 | 1700 | 5054 | 80 | 411 |
| 1029 | 1358 | 8782 | 273 | 446 | 1080 | 1790 | 343 | 499 | 500 |
| 1032 | 1427 | 2278 | 98 | 386 | 1081 | 1435 | 5115 | 28 | 377 |
| 1034 | 1653 | 570 | 84 | 93 | 1081 | 1744 | 3643 | 184 | 330 |
| 1034 | 1763 | 515 | 250 | 253 | 1082 | 1142 | 8750 | 281 | 409 |
| 1037 | 1387 | 3065 | 124 | 389 | 1082 | 1247 | 14790 | 89 | 464 |
| 1037 | 1632 | 922 | 320 | 330 | 1082 | 1539 | 4622 | 106 | 177 |
| 1037 | 1791 | 292 | 11 | 29 | 1082 | 1615 | 4926 | 147 | 210 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | l | Numbered Asteroids | | $\Delta\Omega$ | Δi | l |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 1082 | 1624 | 14229 | 161 | 496 | 1137 | 1511 | 3417 | 254 | 357 |
| 1082 | 1764 | 4753 | 395 | 429 | 1137 | 1662 | 3477 | 163 | 305 |
| 1082 | 1782 | 9991 | 294 | 413 | 1137 | 1667 | 2473 | 297 | 354 |
| 1083 | 1663 | 2556 | 221 | 323 | 1137 | 1680 | 5206 | 67 | 395 |
| 1084 | 1352 | 1019 | 135 | 151 | 1141 | 1595 | 6424 | 112 | 485 |
| 1084 | 1435 | 3156 | 151 | 265 | 1142 | 1535 | 4128 | 387 | 410 |
| 1088 | 1119 | 3149 | 223 | 480 | 1142 | 1624 | 5479 | 120 | 229 |
| 1089 | 1397 | 6316 | 204 | 449 | 1144 | 1403 | 1008 | 446 | 475 |
| 1091 | 1128 | 20634 | 157 | 425 | 1147 | 1420 | 3994 | 391 | 467 |
| 1091 | 1156 | 10665 | 242 | 342 | 1148 | 1649 | 286 | 29 | 61 |
| 1091 | 1578 | 6104 | 362 | 377 | 1150 | 1422 | 4847 | 284 | 355 |
| 1091 | 1784 | 15334 | 293 | 458 | 1150 | 1454 | 11517 | 66 | 488 |
| 1092 | 1240 | 594 | 706 | 214 | 1150 | 1542 | 5987 | 354 | 443 |
| 1095 | 1413 | 264 | 211 | 216 | 1150 | 1650 | 6513 | 356 | 459 |
| 1096 | 1240 | 2049 | 347 | 480 | 1150 | 1692 | 5894 | 25 | 247 |
| 1096 | 1300 | 1392 | 41 | 234 | 1152 | 1523 | 4065 | 82 | 371 |
| 1096 | 1427 | 2570 | 126 | 440 | 1153 | 1785 | 3026 | 441 | 479 |
| 1097 | 1539 | 9842 | 192 | 337 | 1154 | 1511 | 2055 | 469 | 494 |
| 1097 | 1624 | 235 | 459 | 459 | 1154 | 1667 | 2599 | 82 | 253 |
| 1098 | 1106 | 703 | 285 | 327 | 1154 | 1680 | 266 | 282 | 283 |
| 1100 | 1497 | 3151 | 28 | 64 | 1156 | 1784 | 4669 | 51 | 129 |
| 1104 | 1271 | 2564 | 395 | 494 | 1157 | 1182 | 2087 | 130 | 367 |
| 1107 | 1449 | 65 | 438 | 438 | 1159 | 1524 | 859 | 317 | 370 |
| 1108 | 1264 | 814 | 131 | 368 | 1161 | 1792 | 44 | 409 | 409 |
| 1109 | 1147 | 4113 | 316 | 428 | 1162 | 1440 | 6741 | 378 | 451 |
| 1110 | 1647 | 2025 | 208 | 291 | 1163 | 1516 | 1940 | 243 | 385 |
| 1110 | 1716 | 2560 | 142 | 294 | 1166 | 1609 | 1366 | 111 | 453 |
| 1111 | 1513 | 3499 | 90 | 256 | 1167 | 1203 | 422 | 237 | 241 |
| 1111 | 1586 | 6690 | 176 | 495 | 1167 | 1328 | 518 | 24 | 94 |
| 1113 | 1206 | 137 | 205 | 207 | 1167 | 1377 | 2431 | 314 | 400 |
| 1117 | 1514 | 1239 | 197 | 219 | 1171 | 1331 | 922 | 27 | 56 |
| 1120 | 1733 | 849 | 376 | 381 | 1171 | 1725 | 3671 | 117 | 231 |
| 1121 | 1126 | 2487 | 347 | 442 | 1171 | 1748 | 2945 | 241 | 291 |
| 1122 | 1412 | 2434 | 22 | 202 | 1173 | 1195 | 2315 | 227 | 364 |
| 1122 | 1480 | 13 | 122 | 122 | 1174 | 1380 | 675 | 405 | 423 |
| 1124 | 1500 | 2645 | 345 | 492 | 1176 | 1644 | 1181 | 380 | 405 |
| 1125 | 1131 | 3210 | 180 | 252 | 1180 | 1209 | 1837 | 290 | 368 |
| 1125 | 1336 | 106 | 139 | 139 | 1181 | 1314 | 3687 | 534 | 481 |
| 1125 | 1618 | 5409 | 168 | 340 | 1182 | 1426 | 372 | 316 | 322 |
| 1125 | 1674 | 1461 | 367 | 374 | 1183 | 1225 | 3022 | 273 | 314 |
| 1125 | 1687 | 4209 | 413 | 463 | 1183 | 1332 | 941 | 327 | 330 |
| 1126 | 1622 | 3515 | 14 | 399 | 1183 | 1729 | 6228 | 360 | 459 |
| 1128 | 1253 | 18705 | 308 | 489 | 1183 | 1768 | 2625 | 476 | 496 |
| 1128 | 1578 | 14530 | 205 | 310 | 1185 | 1773 | 2742 | 295 | 397 |
| 1130 | 1150 | 9690 | 221 | 442 | 1186 | 1541 | 3422 | 62 | 297 |
| 1131 | 1336 | 3316 | 41 | 190 | 1186 | 1790 | 3741 | 280 | 428 |
| 1131 | 1618 | 2199 | 12 | 124 | 1193 | 1319 | 2247 | 9 | 107 |
| 1132 | 1675 | 685 | 446 | 454 | 1193 | 1661 | 1173 | 301 | 307 |
| 1133 | 1327 | 65 | 455 | 455 | 1193 | 1666 | 2653 | 39 | 131 |
| 1133 | 1344 | 2068 | 285 | 347 | 1200 | 1475 | 5808 | 90 | 468 |
| 1133 | 1522 | 2551 | 13 | 239 | 1202 | 1378 | 7411 | 209 | 497 |
| 1135 | 1267 | 1410 | 140 | 178 | 1202 | 1545 | 1988 | 403 | 418 |
| 1135 | 1381 | 987 | 23 | 81 | 1203 | 1328 | 496 | 213 | 219 |
| 1135 | 1700 | 6122 | 16 | 435 | 1203 | 1377 | 2009 | 77 | 223 |
| 1137 | 1154 | 5472 | 215 | 474 | 1204 | 1610 | 8361 | 321 | 438 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 1209 | 1340 | 2022 | 338 | 413 | 1279 | 1697 | 4245 | 47 | 424 |
| 1210 | 1423 | 4777 | 258 | 361 | 1280 | 1457 | 2138 | 395 | 459 |
| 1218 | 1482 | 7282 | 185 | 432 | 1285 | 1555 | 606 | 380 | 385 |
| 1218 | 1544 | 3934 | 174 | 283 | 1286 | 1287 | 2342 | 80 | 404 |
| 1219 | 1472 | 2862 | 154 | 272 | 1288 | 1598 | 1594 | 42 | 214 |
| 1219 | 1738 | 1994 | 464 | 491 | 1288 | 1709 | 985 | 78 | 151 |
| 1219 | 1757 | 3103 | 437 | 492 | 1288 | 1714 | 1745 | 368 | 437 |
| 1220 | 1758 | 325 | 449 | 453 | 1289 | 1536 | 1794 | 75 | 89 |
| 1223 | 1440 | 5661 | 269 | 360 | 1289 | 1570 | 3426 | 49 | 108 |
| 1225 | 1768 | 397 | 203 | 204 | 1289 | 1635 | 8534 | 192 | 316 |
| 1229 | 1363 | 15074 | 238 | 346 | 1292 | 1699 | 2121 | 192 | 207 |
| 1229 | 1672 | 14565 | 163 | 285 | 1292 | 1706 | 7891 | 293 | 403 |
| 1229 | 1691 | 25507 | 200 | 461 | 1293 | 1647 | 3482 | 210 | 356 |
| 1233 | 1756 | 280 | 450 | 451 | 1295 | 1354 | 6741 | 200 | 381 |
| 1238 | 1540 | 879 | 165 | 247 | 1295 | 1621 | 3360 | 301 | 349 |
| 1242 | 1416 | 2463 | 147 | 450 | 1296 | 1537 | 4271 | 324 | 437 |
| 1242 | 1678 | 2327 | 55 | 415 | 1296 | 1561 | 5309 | 253 | 466 |
| 1245 | 1489 | 3578 | 461 | 489 | 1296 | 1590 | 459 | 233 | 235 |
| 1245 | 1742 | 190 | 391 | 391 | 1297 | 1485 | 1774 | 71 | 286 |
| 1247 | 1389 | 11636 | 301 | 484 | 1298 | 1374 | 2177 | 169 | 266 |
| 1247 | 1443 | 12747 | 173 | 438 | 1302 | 1445 | 877 | 297 | 299 |
| 1247 | 1615 | 9864 | 58 | 298 | 1302 | 1487 | 7493 | 133 | 357 |
| 1247 | 1774 | 12391 | 120 | 404 | 1302 | 1674 | 5962 | 89 | 289 |
| 1247 | 1782 | 4799 | 205 | 246 | 1302 | 1687 | 3214 | 43 | 153 |
| 1248 | 1427 | 521 | 221 | 236 | 1303 | 1320 | 239 | 337 | 347 |
| 1249 | 1365 | 62 | 193 | 193 | 1303 | 1765 | 935 | 381 | 495 |
| 1251 | 1492 | 3017 | 5 | 318 | 1307 | 1537 | 2680 | 155 | 238 |
| 1253 | 1462 | 14120 | 310 | 423 | 1307 | 1561 | 1642 | 422 | 438 |
| 1253 | 1698 | 12503 | 210 | 377 | 1307 | 1611 | 3624 | 306 | 401 |
| 1255 | 1751 | 1853 | 355 | 444 | 1307 | 1726 | 2212 | 478 | 499 |
| 1256 | 1307 | 5168 | 177 | 404 | 1307 | 1752 | 3363 | 444 | 494 |
| 1256 | 1611 | 1544 | 129 | 171 | 1319 | 1661 | 3420 | 292 | 339 |
| 1257 | 1673 | 4740 | 352 | 468 | 1319 | 1666 | 4900 | 48 | 236 |
| 1258 | 1288 | 846 | 177 | 210 | 1320 | 1765 | 1174 | 44 | 403 |
| 1258 | 1598 | 2440 | 219 | 391 | 1324 | 1370 | 1633 | 299 | 327 |
| 1258 | 1709 | 139 | 255 | 256 | 1324 | 1653 | 1026 | 436 | 443 |
| 1258 | 1714 | 895 | 191 | 227 | 1324 | 1763 | 60 | 270 | 270 |
| 1259 | 1261 | 6395 | 32 | 272 | 1325 | 1501 | 2883 | 137 | 395 |
| 1259 | 1305 | 11972 | 77 | 500 | 1325 | 1631 | 2895 | 26 | 317 |
| 1259 | 1761 | 1742 | 62 | 97 | 1327 | 1344 | 2133 | 170 | 273 |
| 1261 | 1305 | 5977 | 109 | 256 | 1327 | 1393 | 1189 | 73 | 142 |
| 1261 | 1761 | 8137 | 30 | 349 | 1327 | 1563 | 4579 | 159 | 497 |
| 1265 | 1321 | 2741 | 132 | 475 | 1327 | 1676 | 3382 | 317 | 474 |
| 1267 | 1381 | 423 | 117 | 122 | 1328 | 1377 | 1513 | 290 | 329 |
| 1267 | 1700 | 4712 | 124 | 388 | 1331 | 1725 | 2749 | 90 | 175 |
| 1268 | 1744 | 2446 | 368 | 417 | 1331 | 1748 | 3867 | 214 | 303 |
| 1269 | 1350 | 4118 | 195 | 282 | 1332 | 1358 | 7178 | 306 | 422 |
| 1272 | 1433 | 369 | 298 | 303 | 1332 | 1729 | 5287 | 33 | 230 |
| 1272 | 1639 | 2187 | 109 | 340 | 1335 | 1394 | 6076 | 119 | 300 |
| 1272 | 1746 | 673 | 130 | 163 | 1336 | 1618 | 5515 | 29 | 310 |
| 1273 | 1298 | 3987 | 98 | 391 | 1338 | 1523 | 1925 | 333 | 373 |
| 1274 | 1338 | 1517 | 408 | 426 | 1339 | 1780 | 109 | 311 | 311 |
| 1274 | 1662 | 4573 | 142 | 374 | 1340 | 1323 | 141697 | 414 | 439 |
| 1274 | 1682 | 1613 | 375 | 393 | 1340 | 1486 | 8041 | 344 | 345 |
| 1278 | 1665 | 1316 | 49 | 253 | 1340 | 1666 | 23669 | 225 | 312 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 1341 | 1592 | 1042 | 368 | 439 | 1443 | 1774 | 356 | 53 | 54 |
| 1343 | 1448 | 3517 | 228 | 429 | 1445 | 1487 | 8370 | 164 | 385 |
| 1343 | 1599 | 2132 | 51 | 237 | 1445 | 1674 | 6839 | 386 | 487 |
| 1343 | 1664 | 2887 | 65 | 313 | 1445 | 1687 | 4091 | 340 | 383 |
| 1344 | 1393 | 3321 | 243 | 413 | 1446 | 1527 | 1495 | 79 | 158 |
| 1344 | 1522 | 483 | 293 | 302 | 1446 | 1770 | 4019 | 43 | 373 |
| 1345 | 1711 | 1679 | 274 | 397 | 1448 | 1599 | 1335 | 279 | 312 |
| 1349 | 1468 | 1006 | 32 | 177 | 1448 | 1664 | 630 | 293 | 300 |
| 1351 | 1552 | 40 | 169 | 168 | 1450 | 1483 | 2743 | 384 | 444 |
| 1352 | 1435 | 4175 | 286 | 402 | 1450 | 1601 | 214 | 83 | 87 |
| 1359 | 1364 | 191 | 401 | 403 | 1452 | 1637 | 565 | 81 | 160 |
| 1363 | 1442 | 6098 | 159 | 201 | 1462 | 1655 | 6182 | 26 | 112 |
| 1363 | 1793 | 10550 | 417 | 479 | 1462 | 1696 | 16370 | 371 | 438 |
| 1375 | 1393 | 4221 | 55 | 435 | 1464 | 1771 | 820 | 319 | 358 |
| 1375 | 1563 | 840 | 141 | 165 | 1466 | 1617 | 176 | 126 | 132 |
| 1375 | 1676 | 2077 | 293 | 366 | 1470 | 1481 | 5108 | 339 | 454 |
| 1378 | 1757 | 4201 | 383 | 473 | 1472 | 1738 | 268 | 310 | 318 |
| 1381 | 1700 | 5135 | 7 | 406 | 1473 | 1613 | 2700 | 32 | 373 |
| 1393 | 1486 | 133656 | 70 | 94 | 1479 | 1500 | 560 | 133 | 182 |
| 1393 | 1638 | 2615 | 259 | 259 | 1479 | 1501 | 1985 | 2 | 253 |
| 1387 | 1632 | 3043 | 191 | 353 | 1479 | 1631 | 1973 | 161 | 301 |
| 1387 | 1791 | 4157 | 140 | 418 | 1480 | 1517 | 439 | 415 | 417 |
| 1389 | 1443 | 1111 | 128 | 134 | 1481 | 1608 | 2630 | 378 | 415 |
| 1389 | 1635 | 10925 | 243 | 436 | 1482 | 1745 | 7593 | 281 | 500 |
| 1389 | 1774 | 755 | 181 | 183 | 1483 | 1602 | 2770 | 317 | 380 |
| 1393 | 1563 | 3391 | 85 | 362 | 1486 | 1638 | 136271 | 189 | 339 |
| 1393 | 1676 | 2194 | 244 | 335 | 1487 | 1531 | 8111 | 72 | 361 |
| 1396 | 1541 | 2628 | 394 | 449 | 1487 | 1674 | 1531 | 222 | 232 |
| 1396 | 1700 | 2396 | 33 | 192 | 1487 | 1687 | 4279 | 176 | 259 |
| 1397 | 1745 | 1155 | 264 | 273 | 1487 | 1778 | 9150 | 4 | 393 |
| 1407 | 1535 | 2930 | 379 | 486 | 1488 | 1557 | 965 | 213 | 229 |
| 1412 | 1480 | 2421 | 144 | 245 | 1489 | 1742 | 3388 | 70 | 160 |
| 1415 | 1430 | 1575 | 158 | 183 | 1489 | 1762 | 4895 | 143 | 245 |
| 1415 | 1559 | 813 | 215 | 220 | 1489 | 1764 | 3160 | 194 | 232 |
| 1415 | 1777 | 5701 | 274 | 427 | 1494 | 1650 | 5004 | 290 | 347 |
| 1416 | 1678 | 136 | 92 | 95 | 1494 | 1692 | 5623 | 41 | 241 |
| 1418 | 1640 | 427 | 78 | 94 | 1496 | 1740 | 2042 | 480 | 487 |
| 1420 | 1661 | 1092 | 457 | 461 | 1500 | 1501 | 2945 | 135 | 402 |
| 1422 | 1494 | 6670 | 218 | 368 | 1500 | 1631 | 2933 | 28 | 392 |
| 1422 | 1650 | 1666 | 72 | 106 | 1501 | 1631 | 12 | 163 | 163 |
| 1422 | 1692 | 1047 | 259 | 263 | 1504 | 1582 | 218 | 493 | 495 |
| 1423 | 1544 | 843 | 432 | 434 | 1505 | 1574 | 1406 | 14 | 351 |
| 1423 | 1545 | 6215 | 78 | 329 | 1507 | 1780 | 1837 | 270 | 397 |
| 1423 | 1741 | 3455 | 8 | 175 | 1511 | 1680 | 1789 | 187 | 228 |
| 1430 | 1559 | 762 | 57 | 71 | 1516 | 1607 | 2496 | 93 | 463 |
| 1430 | 1777 | 7276 | 116 | 424 | 1517 | 1522 | 3499 | 75 | 333 |
| 1432 | 1607 | 24 | 358 | 358 | 1519 | 1675 | 2242 | 74 | 274 |
| 1432 | 1646 | 3072 | 84 | 453 | 1526 | 1717 | 3129 | 24 | 339 |
| 1433 | 1613 | 571 | 293 | 304 | 1526 | 1749 | 3473 | 153 | 402 |
| 1433 | 1639 | 2556 | 189 | 416 | 1533 | 1732 | 761 | 87 | 166 |
| 1433 | 1746 | 1042 | 168 | 226 | 1533 | 1755 | 963 | 33 | 182 |
| 1434 | 1723 | 2514 | 120 | 489 | 1536 | 1570 | 5220 | 124 | 190 |
| 1439 | 1757 | 3194 | 219 | 316 | 1536 | 1635 | 10328 | 267 | 399 |
| 1442 | 1793 | 4452 | 258 | 279 | 1537 | 1726 | 468 | 323 | 324 |
| 1443 | 1635 | 9814 | 115 | 335 | 1537 | 1752 | 6043 | 289 | 400 |

TABLE I (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 1539 | 1615 | 9548 | 41 | 284 | 1632 | 1791 | 1114 | 331 | 348 |
| 1539 | 1624 | 9807 | 267 | 408 | 1633 | 1778 | 8057 | 213 | 419 |
| 1539 | 1782 | 14613 | 188 | 451 | 1635 | 1774 | 10170 | 62 | 328 |
| 1541 | 1790 | 319 | 218 | 220 | 1638 | 1788 | 39976 | 378 | 475 |
| 1544 | 1713 | 1179 | 412 | 418 | 1639 | 1746 | 1514 | 21 | 222 |
| 1544 | 1741 | 4299 | 440 | 498 | 1643 | 1785 | 5836 | 241 | 443 |
| 1545 | 1741 | 2762 | 25 | 166 | 1645 | 1704 | 8787 | 49 | 159 |
| 1549 | 1663 | 1883 | 138 | 265 | 1645 | 1779 | 14699 | 120 | 271 |
| 1549 | 1772 | 3156 | 205 | 373 | 1647 | 1716 | 4585 | 66 | 458 |
| 1551 | 1684 | 925 | 118 | 132 | 1650 | 1692 | 619 | 331 | 332 |
| 1553 | 1618 | 7837 | 6 | 441 | 1651 | 1766 | 1207 | 149 | 184 |
| 1553 | 1725 | 8260 | 63 | 465 | 1653 | 1763 | 1086 | 166 | 184 |
| 1559 | 1777 | 6514 | 59 | 367 | 1661 | 1666 | 1480 | 340 | 348 |
| 1561 | 1590 | 5768 | 20 | 439 | 1667 | 1680 | 2733 | 364 | 421 |
| 1561 | 1611 | 5266 | 116 | 412 | 1668 | 1731 | 2048 | 300 | 341 |
| 1562 | 1648 | 1066 | 324 | 336 | 1668 | 1736 | 1822 | 173 | 227 |
| 1563 | 1676 | 1197 | 158 | 202 | 1669 | 1759 | 2321 | 162 | 248 |
| 1570 | 1635 | 5108 | 143 | 209 | 1669 | 1685 | 10188 | 345 | 374 |
| 1576 | 1672 | 18809 | 79 | 326 | 1672 | 1691 | 10942 | 37 | 199 |
| 1576 | 1691 | 7867 | 116 | 178 | 1672 | 1789 | 24086 | 357 | 492 |
| 1576 | 1788 | 5277 | 279 | 297 | 1673 | 1739 | 5654 | 170 | 383 |
| 1577 | 1586 | 2550 | 299 | 352 | 1674 | 1687 | 2748 | 46 | 136 |
| 1581 | 1623 | 9744 | 49 | 432 | 1691 | 1783 | 13144 | 394 | 437 |
| 1581 | 1633 | 9096 | 137 | 435 | 1699 | 1706 | 5770 | 101 | 218 |
| 1581 | 1674 | 9642 | 150 | 464 | 1704 | 1779 | 5912 | 71 | 119 |
| 1581 | 1778 | 1039 | 76 | 88 | 1709 | 1714 | 760 | 446 | 458 |
| 1595 | 1703 | 180 | 360 | 360 | 1717 | 1749 | 344 | 129 | 134 |
| 1598 | 1709 | 2579 | 36 | 339 | 1720 | 1788 | 34766 | 76 | 418 |
| 1599 | 1664 | 735 | 14 | 76 | 1724 | 1754 | 426 | 215 | 233 |
| 1601 | 1773 | 113 | 460 | 460 | 1725 | 1748 | 6616 | 124 | 393 |
| 1603 | 1627 | 2351 | 114 | 365 | 1726 | 1752 | 5575 | 34 | 340 |
| 1606 | 1705 | 2267 | 32 | 304 | 1732 | 1755 | 1724 | 120 | 343 |
| 1606 | 1795 | 2141 | 111 | 304 | 1733 | 1736 | 224 | 127 | 128 |
| 1610 | 1729 | 9331 | 240 | 450 | 1733 | 1759 | 273 | 138 | 140 |
| 1615 | 1782 | 5065 | 147 | 204 | 1736 | 1759 | 499 | 11 | 41 |
| 1618 | 1684 | 3109 | 420 | 459 | 1742 | 1762 | 8283 | 213 | 403 |
| 1623 | 1633 | 693 | 135 | 188 | 1742 | 1764 | 248 | 264 | 264 |
| 1623 | 1778 | 2755 | 23 | 379 | 1762 | 1764 | 8035 | 51 | 317 |

TABLE II

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 5 | 53 | 2256 | 190 | 281 | 13 | 735 | 321 | 271 | 286 |
| 5 | 933 | 89 | 194 | 194 | 14 | 629 | 846 | 210 | 250 |
| 7 | 1181 | 1449 | 63 | 153 | 16 | 885 | 1321 | 195 | 208 |
| 10 | 1785 | 1897 | 38 | 131 | 16 | 1004 | 3910 | 132 | 245 |
| 12 | 1760 | 1932 | 23 | 267 | 16 | 1245 | 1928 | 222 | 244 |

TABLE II (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 19 | 263 | 5089 | 261 | 290 | 73 | 77 | 6154 | 64 | 266 |
| 20 | 822 | 3988 | 7 | 49 | 73 | 91 | 3326 | 267 | 297 |
| 20 | 1229 | 5824 | 146 | 166 | 73 | 1729 | 1410 | 70 | 92 |
| 21 | 311 | 369 | 157 | 158 | 75 | 1541 | 2807 | 92 | 259 |
| 21 | 367 | 2522 | 130 | 186 | 75 | 1790 | 2488 | 126 | 253 |
| 21 | 449 | 4999 | 18 | 270 | 76 | 150 | 698 | 92 | 98 |
| 21 | 1745 | 1989 | 188 | 218 | 76 | 1150 | 449 | 298 | 299 |
| 24 | 300 | 6495 | 5 | 87 | 77 | 632 | 4154 | 211 | 270 |
| 24 | 1074 | 2605 | 91 | 98 | 77 | 1610 | 1817 | 234 | 245 |
| 26 | 1378 | 2035 | 38 | 133 | 79 | 168 | 1505 | 37 | 126 |
| 27 | 1156 | 4198 | 162 | 196 | 79 | 305 | 2678 | 193 | 286 |
| 27 | 1784 | 471 | 111 | 112 | 79 | 460 | 1154 | 5 | 93 |
| 29 | 711 | 650 | 2 | 69 | 79 | 1200 | 675 | 34 | 64 |
| 29 | 1121 | 2042 | 73 | 230 | 81 | 94 | 1662 | 146 | 272 |
| 33 | 91 | 2214 | 207 | 221 | 81 | 109 | 1310 | 40 | 185 |
| 33 | 208 | 3508 | 137 | 177 | 81 | 671 | 1073 | 159 | 218 |
| 33 | 1204 | 722 | 17 | 29 | 82 | 126 | 2854 | 88 | 168 |
| 35 | 337 | 1039 | 185 | 234 | 82 | 332 | 5860 | 19 | 292 |
| 35 | 356 | 1214 | 204 | 267 | 84 | 227 | 1 | 184 | 184 |
| 37 | 66 | 142 | 15 | 17 | 84 | 1737 | 68 | 62 | 63 |
| 37 | 1225 | 4637 | 3 | 249 | 90 | 279 | 4060 | 102 | 192 |
| 39 | 251 | 839 | 166 | 225 | 90 | 621 | 3521 | 84 | 163 |
| 39 | 1403 | 288 | 225 | 231 | 90 | 991 | 6586 | 143 | 287 |
| 40 | 730 | 1584 | 31 | 121 | 90 | 1259 | 4348 | 168 | 243 |
| 41 | 329 | 294 | 80 | 114 | 90 | 1261 | 2047 | 200 | 217 |
| 43 | 901 | 392 | 21 | 32 | 91 | 1204 | 2936 | 224 | 246 |
| 43 | 1420 | 3654 | 15 | 222 | 92 | 464 | 602 | 223 | 246 |
| 44 | 738 | 1348 | 189 | 206 | 94 | 109 | 352 | 106 | 117 |
| 44 | 1111 | 1310 | 172 | 193 | 94 | 843 | 717 | 32 | 105 |
| 46 | 495 | 5604 | 23 | 227 | 97 | 191 | 347 | 291 | 299 |
| 47 | 571 | 298 | 237 | 238 | 97 | 903 | 146 | 164 | 167 |
| 47 | 1188 | 2000 | 158 | 233 | 97 | 1597 | 997 | 55 | 211 |
| 47 | 1541 | 1422 | 96 | 156 | 100 | 655 | 2487 | 79 | 291 |
| 47 | 1790 | 1741 | 122 | 196 | 100 | 1104 | 1509 | 22 | 170 |
| 48 | 289 | 1415 | 122 | 203 | 102 | 821 | 661 | 236 | 244 |
| 50 | 1335 | 1099 | 283 | 288 | 104 | 321 | 2421 | 246 | 272 |
| 50 | 1394 | 4977 | 164 | 289 | 106 | 959 | 2136 | 159 | 232 |
| 51 | 107 | 1356 | 31 | 236 | 106 | 1122 | 1447 | 124 | 171 |
| 53 | 301 | 1100 | 268 | 285 | 106 | 1480 | 1460 | 246 | 274 |
| 55 | 280 | 307 | 257 | 260 | 107 | 339 | 402 | 3 | 69 |
| 58 | 114 | 2919 | 114 | 278 | 108 | 355 | 753 | 89 | 106 |
| 58 | 163 | 1180 | 251 | 271 | 108 | 659 | 1342 | 128 | 165 |
| 58 | 723 | 2209 | 69 | 205 | 108 | 1135 | 887 | 168 | 182 |
| 62 | 268 | 4349 | 219 | 281 | 108 | 1267 | 523 | 28 | 49 |
| 62 | 316 | 1876 | 115 | 137 | 108 | 1381 | 100 | 145 | 145 |
| 62 | 515 | 3211 | 213 | 244 | 109 | 843 | 1069 | 74 | 166 |
| 63 | 574 | 1050 | 91 | 139 | 110 | 1327 | 755 | 157 | 177 |
| 63 | 1279 | 1718 | 60 | 182 | 110 | 1393 | 393 | 84 | 93 |
| 64 | 569 | 7612 | 19 | 174 | 111 | 1370 | 205 | 120 | 121 |
| 64 | 1100 | 4401 | 271 | 285 | 112 | 939 | 3444 | 16 | 157 |
| 64 | 1497 | 7552 | 243 | 289 | 114 | 723 | 710 | 45 | 76 |
| 66 | 1225 | 4495 | 18 | 241 | 114 | 794 | 85 | 283 | 283 |
| 67 | 119 | 976 | 251 | 270 | 116 | 1713 | 3002 | 184 | 266 |
| 67 | 525 | 417 | 21 | 48 | 117 | 575 | 506 | 128 | 183 |
| 72 | 821 | 2650 | 44 | 253 | 118 | 1429 | 806 | 80 | 135 |

TABLE II (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 119 | 525 | 559 | 230 | 237 | 175 | 1190 | 4624 | 31 | 261 |
| 119 | 540 | 1896 | 185 | 263 | 177 | 656 | 2823 | 105 | 128 |
| 119 | 1387 | 546 | 251 | 257 | 177 | 1382 | 4431 | 146 | 186 |
| 120 | 192 | 1549 | 137 | 231 | 178 | 223 | 2926 | 49 | 110 |
| 122 | 379 | 6469 | 15 | 184 | 178 | 681 | 4525 | 170 | 231 |
| 122 | 993 | 5410 | 138 | 211 | 179 | 322 | 597 | 227 | 265 |
| 122 | 1443 | 3509 | 280 | 300 | 180 | 1100 | 7903 | 165 | 211 |
| 122 | 1635 | 6305 | 165 | 249 | 180 | 1497 | 11054 | 193 | 268 |
| 122 | 1774 | 3865 | 227 | 255 | 182 | 1789 | 5207 | 26 | 183 |
| 124 | 1295 | 2894 | 75 | 164 | 184 | 243 | 7562 | 13 | 152 |
| 125 | 1636 | 859 | 220 | 230 | 184 | 1079 | 2655 | 30 | 62 |
| 127 | 349 | 1412 | 14 | 203 | 187 | 1207 | 779 | 209 | 253 |
| 131 | 1122 | 1827 | 219 | 268 | 191 | 903 | 201 | 127 | 133 |
| 131 | 1412 | 607 | 241 | 246 | 192 | 303 | 1757 | 88 | 232 |
| 131 | 1480 | 1814 | 97 | 183 | 195 | 359 | 1315 | 210 | 263 |
| 136 | 513 | 1256 | 156 | 262 | 197 | 1294 | 497 | 119 | 141 |
| 138 | 1545 | 2657 | 184 | 233 | 199 | 451 | 6 | 159 | 159 |
| 138 | 1741 | 105 | 270 | 270 | 201 | 269 | 35 | 288 | 288 |
| 140 | 462 | 1817 | 3 | 101 | 202 | 479 | 698 | 177 | 206 |
| 140 | 1553 | 3717 | 42 | 212 | 205 | 992 | 673 | 164 | 207 |
| 140 | 1618 | 4120 | 36 | 233 | 208 | 1204 | 2786 | 120 | 149 |
| 142 | 557 | 1753 | 253 | 263 | 209 | 645 | 835 | 156 | 167 |
| 142 | 969 | 1556 | 46 | 77 | 210 | 281 | 1600 | 32 | 151 |
| 142 | 1496 | 3049 | 260 | 289 | 211 | 1147 | 718 | 1 | 49 |
| 142 | 1740 | 5091 | 220 | 290 | 212 | 406 | 1577 | 72 | 137 |
| 144 | 1450 | 1724 | 59 | 157 | 215 | 435 | 2109 | 133 | 148 |
| 144 | 1601 | 2038 | 142 | 224 | 215 | 1698 | 2612 | 156 | 173 |
| 147 | 1438 | 6265 | 28 | 213 | 217 | 318 | 975 | 180 | 253 |
| 149 | 954 | 4893 | 187 | 207 | 220 | 1224 | 22 | 280 | 280 |
| 149 | 1576 | 7972 | 8 | 130 | 222 | 279 | 5452 | 179 | 279 |
| 149 | 1691 | 15839 | 108 | 293 | 222 | 767 | 199 | 260 | 260 |
| 149 | 1788 | 2695 | 286 | 288 | 223 | 981 | 1599 | 121 | 133 |
| 150 | 1150 | 449 | 206 | 207 | 223 | 1162 | 6109 | 42 | 277 |
| 151 | 1155 | 495 | 187 | 195 | 224 | 1308 | 1262 | 256 | 285 |
| 153 | 368 | 619 | 75 | 113 | 227 | 1737 | 69 | 246 | 246 |
| 155 | 698 | 671 | 62 | 148 | 228 | 1007 | 5414 | 6 | 240 |
| 158 | 1645 | 10493 | 11 | 184 | 229 | 761 | 5655 | 52 | 218 |
| 159 | 294 | 2275 | 116 | 270 | 231 | 1454 | 1543 | 20 | 139 |
| 159 | 442 | 243 | 17 | 31 | 232 | 1731 | 588 | 195 | 204 |
| 160 | 1707 | 2636 | 211 | 278 | 235 | 858 | 984 | 139 | 207 |
| 162 | 401 | 110 | 129 | 130 | 235 | 1550 | 941 | 194 | 243 |
| 163 | 1668 | 1107 | 74 | 118 | 236 | 421 | 1503 | 109 | 229 |
| 163 | 1736 | 715 | 247 | 254 | 238 | 737 | 851 | 79 | 198 |
| 163 | 1759 | 1214 | 236 | 256 | 240 | 431 | 1948 | 284 | 292 |
| 166 | 402 | 255 | 143 | 152 | 240 | 515 | 7238 | 105 | 280 |
| 167 | 878 | 6239 | 176 | 289 | 243 | 1079 | 4907 | 43 | 109 |
| 167 | 1762 | 5633 | 65 | 228 | 244 | 1542 | 3754 | 104 | 210 |
| 168 | 305 | 1173 | 156 | 181 | 245 | 1517 | 2587 | 103 | 257 |
| 168 | 460 | 2659 | 42 | 217 | 245 | 1522 | 512 | 178 | 197 |
| 168 | 1200 | 2180 | 3 | 174 | 251 | 1533 | 714 | 166 | 212 |
| 169 | 1308 | 76 | 87 | 87 | 251 | 1732 | 47 | 253 | 253 |
| 171 | 1487 | 3449 | 87 | 174 | 252 | 1059 | 1579 | 98 | 294 |
| 171 | 1581 | 4662 | 15 | 208 | 253 | 533 | 1041 | 182 | 218 |
| 171 | 1674 | 4980 | 135 | 265 | 253 | 1409 | 2181 | 10 | 255 |
| 171 | 1778 | 5701 | 91 | 265 | 254 | 340 | 1149 | 167 | 191 |

TABLE II (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 × | | | j | k | 0.001 × | | |
| 254 | 1744 | 1063 | 106 | 134 | 321 | 1223 | 790 | 46 | 58 |
| 259 | 1054 | 1374 | 56 | 264 | 322 | 441 | 253 | 117 | 122 |
| 261 | 274 | 3347 | 37 | 217 | 322 | 896 | 429 | 176 | 186 |
| 261 | 580 | 2814 | 7 | 179 | 324 | 916 | 1513 | 40 | 295 |
| 263 | 1363 | 1520 | 212 | 214 | 327 | 1418 | 74 | 38 | 39 |
| 263 | 1442 | 4578 | 53 | 114 | 327 | 1640 | 353 | 40 | 59 |
| 264 | 1515 | 255 | 244 | 248 | 331 | 1696 | 1504 | 25 | 161 |
| 266 | 640 | 924 | 71 | 225 | 333 | 708 | 768 | 288 | 292 |
| 268 | 316 | 2473 | 104 | 146 | 333 | 841 | 119 | 9 | 12 |
| 268 | 930 | 2102 | 222 | 241 | 333 | 1481 | 209 | 220 | 220 |
| 268 | 1623 | 5644 | 54 | 248 | 333 | 1608 | 2421 | 158 | 227 |
| 270 | 396 | 4034 | 174 | 245 | 334 | 1648 | 1159 | 69 | 116 |
| 270 | 499 | 2614 | 282 | 300 | 335 | 873 | 2120 | 176 | 260 |
| 270 | 1014 | 1956 | 81 | 113 | 335 | 1055 | 1273 | 186 | 219 |
| 272 | 1439 | 1513 | 255 | 279 | 335 | 1217 | 228 | 61 | 64 |
| 275 | 334 | 2977 | 141 | 282 | 336 | 1293 | 1337 | 205 | 242 |
| 277 | 1363 | 14971 | 25 | 286 | 337 | 613 | 28 | 164 | 164 |
| 277 | 1442 | 8873 | 134 | 226 | 338 | 1560 | 1930 | 184 | 276 |
| 278 | 963 | 15 | 179 | 179 | 340 | 1268 | 2360 | 95 | 217 |
| 279 | 767 | 5253 | 81 | 233 | 340 | 1744 | 86 | 273 | 273 |
| 279 | 1259 | 288 | 66 | 67 | 346 | 866 | 705 | 109 | 152 |
| 279 | 1261 | 6107 | 98 | 273 | 347 | 488 | 899 | 181 | 256 |
| 279 | 1761 | 2030 | 128 | 154 | 348 | 505 | 591 | 34 | 106 |
| 282 | 1414 | 472 | 174 | 189 | 350 | 1591 | 46 | 101 | 103 |
| 283 | 1260 | 185 | 3 | 26 | 353 | 758 | 2618 | 38 | 259 |
| 284 | 1760 | 257 | 277 | 279 | 353 | 1026 | 1069 | 255 | 275 |
| 288 | 522 | 2080 | 86 | 181 | 353 | 1056 | 560 | 215 | 222 |
| 288 | 1577 | 2798 | 23 | 213 | 355 | 659 | 2095 | 217 | 270 |
| 289 | 533 | 1676 | 145 | 241 | 355 | 1135 | 1640 | 257 | 286 |
| 291 | 1247 | 1479 | 122 | 130 | 355 | 1267 | 230 | 117 | 118 |
| 294 | 442 | 2032 | 133 | 255 | 355 | 1381 | 653 | 234 | 239 |
| 294 | 1492 | 908 | 155 | 183 | 356 | 1710 | 1241 | 211 | 278 |
| 296 | 431 | 4086 | 80 | 150 | 358 | 827 | 537 | 130 | 134 |
| 296 | 515 | 1204 | 259 | 262 | 360 | 1334 | 644 | 257 | 288 |
| 297 | 1463 | 1276 | 216 | 272 | 365 | 1425 | 623 | 109 | 177 |
| 298 | 1016 | 526 | 242 | 249 | 367 | 449 | 2477 | 148 | 197 |
| 300 | 1074 | 3890 | 96 | 111 | 376 | 1298 | 1475 | 68 | 156 |
| 302 | 1768 | 4261 | 164 | 259 | 376 | 1374 | 702 | 101 | 121 |
| 304 | 1330 | 368 | 59 | 117 | 378 | 826 | 2085 | 123 | 284 |
| 308 | 1020 | 1129 | 72 | 111 | 379 | 1443 | 2960 | 265 | 280 |
| 309 | 333 | 2160 | 59 | 153 | 379 | 1774 | 2604 | 212 | 226 |
| 309 | 708 | 1392 | 229 | 245 | 380 | 1063 | 103 | 185 | 185 |
| 309 | 841 | 2041 | 68 | 150 | 383 | 1061 | 1293 | 161 | 171 |
| 309 | 1481 | 2369 | 161 | 221 | 383 | 1302 | 2791 | 60 | 141 |
| 309 | 1608 | 261 | 217 | 218 | 383 | 1487 | 4702 | 193 | 285 |
| 311 | 449 | 4630 | 139 | 291 | 383 | 1674 | 3171 | 29 | 151 |
| 311 | 1745 | 2358 | 31 | 137 | 383 | 1687 | 423 | 17 | 26 |
| 315 | 1489 | 5486 | 17 | 232 | 384 | 722 | 2385 | 38 | 237 |
| 315 | 1762 | 591 | 160 | 162 | 388 | 902 | 1844 | 74 | 219 |
| 317 | 1082 | 3053 | 55 | 110 | 389 | 972 | 678 | 231 | 291 |
| 317 | 1539 | 7675 | 51 | 238 | 394 | 940 | 2051 | 48 | 229 |
| 317 | 1615 | 1873 | 92 | 108 | 395 | 1057 | 717 | 173 | 178 |
| 319 | 1033 | 452 | 201 | 218 | 395 | 1420 | 1084 | 141 | 155 |
| 320 | 429 | 144 | 119 | 121 | 396 | 1014 | 2078 | 255 | 270 |
| 321 | 975 | 1336 | 35 | 70 | 398 | 1064 | 594 | 92 | 134 |

TABLE II (continued)

| Numbered Asteroids | | ΔQ | ΔV | I | Numbered Asteroids | | ΔQ | ΔV | I |
|--------------------|------|------------|------------|-----|--------------------|------|------------|------------|-----|
| j | h | 0.001 x | | | j | h | 0.001 x | | |
| 399 | 1159 | 1089 | 109 | 270 | 501 | 1310 | 155 | 145 | 155 |
| 400 | 1107 | 206 | 140 | 145 | 507 | 408 | 137 | 124 | 126 |
| 408 | 775 | 540 | 235 | 250 | 510 | 1287 | 561 | 261 | 277 |
| 400 | 1485 | 896 | 117 | 178 | 514 | 1147 | 4122 | 4 | 278 |
| 414 | 559 | 530 | 264 | 278 | 518 | 1201 | 615 | 261 | 271 |
| 414 | 1655 | 11 | 17 | 17 | 522 | 877 | 2318 | 143 | 227 |
| 417 | 837 | 83 | 141 | 141 | 526 | 851 | 3189 | 224 | 257 |
| 418 | 1277 | 1215 | 195 | 244 | 526 | 1142 | 1642 | 70 | 93 |
| 419 | 929 | 1570 | 88 | 139 | 526 | 1624 | 3837 | 190 | 235 |
| 419 | 1296 | 2445 | 114 | 207 | 527 | 537 | 288 | 220 | 225 |
| 419 | 1537 | 1826 | 210 | 244 | 527 | 1815 | 678 | 245 | 270 |
| 421 | 1705 | 932 | 97 | 158 | 529 | 742 | 899 | 167 | 255 |
| 422 | 497 | 2190 | 137 | 230 | 529 | 1359 | 1061 | 71 | 216 |
| 422 | 802 | 923 | 239 | 253 | 530 | 1603 | 1321 | 17 | 197 |
| 423 | 562 | 830 | 139 | 213 | 534 | 1125 | 3474 | 222 | 293 |
| 425 | 1044 | 1335 | 188 | 212 | 534 | 1336 | 3368 | 83 | 207 |
| 431 | 515 | 5290 | 179 | 251 | 537 | 1593 | 1132 | 94 | 217 |
| 433 | 1284 | 963 | 39 | 185 | 538 | 627 | 444 | 75 | 90 |
| 441 | 896 | 176 | 59 | 64 | 538 | 1085 | 2335 | 107 | 289 |
| 446 | 1186 | 1168 | 155 | 267 | 539 | 1176 | 1976 | 164 | 283 |
| 447 | 1450 | 2714 | 58 | 236 | 540 | 1387 | 1350 | 66 | 146 |
| 447 | 1601 | 2400 | 141 | 248 | 540 | 1632 | 1693 | 125 | 208 |
| 452 | 534 | 808 | 56 | 72 | 541 | 1407 | 1353 | 189 | 234 |
| 452 | 1125 | 4282 | 166 | 287 | 541 | 1535 | 1577 | 190 | 253 |
| 452 | 1336 | 4176 | 27 | 235 | 542 | 1384 | 163 | 245 | 247 |
| 453 | 477 | 778 | 261 | 271 | 548 | 1551 | 1425 | 106 | 142 |
| 453 | 915 | 2323 | 5 | 225 | 548 | 1684 | 2350 | 224 | 272 |
| 454 | 1354 | 1104 | 242 | 270 | 549 | 763 | 1744 | 119 | 171 |
| 460 | 1200 | 479 | 39 | 55 | 549 | 985 | 1104 | 103 | 120 |
| 461 | 561 | 10976 | 1 | 275 | 551 | 637 | 6770 | 104 | 112 |
| 461 | 1615 | 3870 | 230 | 263 | 551 | 1340 | 21219 | 10 | 156 |
| 461 | 1782 | 1195 | 83 | 89 | 551 | 1686 | 2450 | 235 | 236 |
| 462 | 1131 | 4502 | 45 | 256 | 553 | 1773 | 2291 | 16 | 216 |
| 462 | 1618 | 2303 | 33 | 132 | 555 | 1269 | 4811 | 92 | 244 |
| 463 | 859 | 661 | 247 | 292 | 557 | 969 | 3309 | 207 | 249 |
| 465 | 1324 | 1234 | 117 | 153 | 557 | 1496 | 1296 | 7 | 57 |
| 465 | 1370 | 2867 | 182 | 298 | 559 | 1655 | 541 | 247 | 262 |
| 468 | 551 | 13799 | 62 | 124 | 561 | 1539 | 2442 | 270 | 278 |
| 468 | 637 | 20569 | 166 | 216 | 561 | 1615 | 7106 | 229 | 299 |
| 468 | 1340 | 35018 | 32 | 278 | 566 | 1083 | 273 | 212 | 213 |
| 468 | 1686 | 11349 | 173 | 205 | 567 | 1098 | 747 | 25 | 123 |
| 476 | 1456 | 624 | 200 | 232 | 569 | 1100 | 3211 | 252 | 260 |
| 477 | 802 | 2655 | 60 | 251 | 569 | 1497 | 80 | 224 | 224 |
| 477 | 915 | 1547 | 256 | 295 | 570 | 586 | 3330 | 130 | 162 |
| 478 | 640 | 1132 | 148 | 299 | 570 | 1793 | 99 | 238 | 238 |
| 482 | 788 | 840 | 113 | 238 | 571 | 1790 | 1443 | 115 | 174 |
| 484 | 625 | 524 | 264 | 287 | 572 | 1114 | 1298 | 139 | 277 |
| 486 | 1504 | 903 | 21 | 175 | 574 | 684 | 557 | 181 | 189 |
| 492 | 641 | 5716 | 78 | 185 | 574 | 1275 | 668 | 31 | 73 |
| 492 | 989 | 4574 | 26 | 132 | 577 | 1152 | 1746 | 230 | 279 |
| 492 | 1073 | 6904 | 24 | 197 | 577 | 1523 | 2319 | 148 | 258 |
| 494 | 719 | 412 | 140 | 149 | 578 | 1354 | 1645 | 90 | 197 |
| 496 | 1673 | 1743 | 220 | 247 | 580 | 625 | 1905 | 243 | 270 |
| 497 | 1189 | 1278 | 78 | 112 | 580 | 1610 | 245 | 262 | 262 |
| 499 | 1014 | 4570 | 201 | 266 | 586 | 1793 | 3231 | 108 | 139 |

TABLE II (continued)

| Numbered Asteroids | | Δ_{\odot}^2 | Δ_i | I | Numbered Asteroids | | Δ_{\odot}^2 | Δ_i | I |
|--------------------|------|--------------------|------------|-----|--------------------|------|--------------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 589 | 1564 | 387 | 263 | 273 | 710 | 1097 | 6587 | 223 | 291 |
| 590 | 1210 | 713 | 105 | 174 | 710 | 1539 | 3255 | 31 | 103 |
| 591 | 1406 | 829 | 95 | 203 | 711 | 1121 | 1392 | 71 | 165 |
| 592 | 1465 | 676 | 227 | 256 | 717 | 1382 | 6705 | 181 | 265 |
| 607 | 1214 | 535 | 247 | 264 | 720 | 975 | 3001 | 208 | 245 |
| 608 | 1507 | 1160 | 102 | 214 | 720 | 1029 | 5869 | 84 | 260 |
| 611 | 1469 | 527 | 57 | 135 | 720 | 1223 | 5127 | 197 | 295 |
| 615 | 1183 | 1528 | 31 | 81 | 722 | 1448 | 307 | 184 | 187 |
| 615 | 1332 | 587 | 296 | 297 | 723 | 794 | 625 | 238 | 244 |
| 620 | 1018 | 394 | 32 | 62 | 723 | 799 | 948 | 266 | 279 |
| 621 | 936 | 4152 | 85 | 191 | 725 | 750 | 619 | 150 | 156 |
| 621 | 991 | 3065 | 227 | 256 | 725 | 1085 | 2231 | 65 | 160 |
| 621 | 1261 | 1474 | 116 | 131 | 728 | 1154 | 1621 | 247 | 284 |
| 621 | 1305 | 4103 | 7 | 167 | 728 | 1680 | 2087 | 35 | 160 |
| 628 | 931 | 985 | 210 | 286 | 740 | 1105 | 604 | 85 | 142 |
| 632 | 1610 | 2337 | 23 | 93 | 742 | 1359 | 162 | 116 | 120 |
| 636 | 1072 | 1663 | 77 | 243 | 742 | 1364 | 353 | 285 | 293 |
| 637 | 1340 | 14449 | 114 | 147 | 748 | 847 | 4691 | 210 | 286 |
| 637 | 1486 | 22490 | 230 | 239 | 748 | 1292 | 5037 | 59 | 218 |
| 638 | 1391 | 750 | 85 | 131 | 750 | 1012 | 3440 | 114 | 266 |
| 641 | 988 | 1142 | 104 | 109 | 750 | 1089 | 1612 | 215 | 241 |
| 641 | 1073 | 1188 | 102 | 108 | 755 | 827 | 4012 | 174 | 290 |
| 641 | 1162 | 672 | 197 | 198 | 755 | 1621 | 4957 | 72 | 286 |
| 643 | 1441 | 880 | 198 | 289 | 758 | 1026 | 1549 | 217 | 263 |
| 650 | 703 | 2832 | 98 | 158 | 758 | 1056 | 2058 | 177 | 265 |
| 650 | 1542 | 3835 | 186 | 256 | 761 | 1358 | 2569 | 2 | 97 |
| 653 | 807 | 911 | 19 | 179 | 763 | 985 | 640 | 16 | 48 |
| 653 | 1334 | 273 | 145 | 155 | 767 | 1259 | 4965 | 15 | 210 |
| 655 | 1104 | 970 | 57 | 124 | 767 | 1761 | 3223 | 47 | 145 |
| 656 | 1638 | 15721 | 199 | 222 | 770 | 1219 | 2196 | 26 | 171 |
| 656 | 1788 | 24255 | 179 | 294 | 770 | 1472 | 666 | 180 | 187 |
| 658 | 717 | 5097 | 222 | 265 | 778 | 1113 | 736 | 91 | 192 |
| 658 | 1382 | 1608 | 41 | 60 | 782 | 857 | 2367 | 39 | 221 |
| 659 | 1135 | 455 | 40 | 54 | 782 | 957 | 1875 | 160 | 237 |
| 659 | 1267 | 1865 | 100 | 176 | 782 | 1083 | 475 | 119 | 127 |
| 659 | 1381 | 1442 | 17 | 115 | 782 | 1663 | 3041 | 102 | 300 |
| 661 | 1182 | 388 | 130 | 144 | 794 | 1519 | 103 | 6 | 23 |
| 661 | 1426 | 760 | 186 | 222 | 794 | 799 | 323 | 28 | 41 |
| 662 | 736 | 2027 | 247 | 289 | 797 | 1611 | 830 | 218 | 227 |
| 662 | 1111 | 1054 | 244 | 255 | 798 | 1291 | 1289 | 127 | 241 |
| 662 | 1513 | 2445 | 154 | 231 | 800 | 1274 | 2471 | 144 | 236 |
| 678 | 1525 | 1246 | 198 | 237 | 800 | 1682 | 858 | 231 | 239 |
| 682 | 920 | 176 | 31 | 47 | 807 | 1334 | 1184 | 164 | 285 |
| 684 | 1279 | 111 | 212 | 212 | 808 | 931 | 1132 | 116 | 285 |
| 685 | 1752 | 1644 | 147 | 179 | 810 | 942 | 6556 | 18 | 297 |
| 688 | 1410 | 227 | 145 | 151 | 810 | 1245 | 315 | 267 | 267 |
| 689 | 1722 | 579 | 250 | 256 | 810 | 1489 | 3263 | 194 | 241 |
| 694 | 1009 | 910 | 38 | 250 | 810 | 1742 | 125 | 124 | 124 |
| 698 | 906 | 338 | 268 | 277 | 812 | 1572 | 496 | 63 | 131 |
| 699 | 726 | 983 | 70 | 269 | 813 | 941 | 820 | 265 | 280 |
| 703 | 1542 | 1003 | 284 | 288 | 819 | 1152 | 1201 | 170 | 199 |
| 708 | 841 | 649 | 297 | 300 | 822 | 1226 | 9812 | 139 | 192 |
| 708 | 1481 | 977 | 68 | 91 | 825 | 1131 | 372 | 165 | 186 |
| 710 | 1003 | 420 | 78 | 79 | 825 | 1336 | 3688 | 206 | 296 |
| 710 | 1082 | 7877 | 75 | 255 | 825 | 1618 | 1827 | 177 | 206 |

TABLE II (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0'.001 × | | | j | k | 0'.001 × | | |
| 832 | 1645 | 13545 | 20 | 237 | 975 | 1223 | 2126 | 11 | 96 |
| 832 | 1734 | 4758 | 29 | 86 | 981 | 1162 | 6510 | 163 | 279 |
| 832 | 1779 | 1154 | 100 | 102 | 981 | 1440 | 231 | 215 | 215 |
| 833 | 1416 | 607 | 245 | 282 | 988 | 1073 | 2330 | 2 | 66 |
| 834 | 1084 | 3079 | 78 | 276 | 988 | 1253 | 1696 | 279 | 282 |
| 834 | 1352 | 2660 | 213 | 287 | 991 | 1305 | 1038 | 234 | 237 |
| 841 | 1481 | 328 | 229 | 230 | 993 | 1570 | 6003 | 116 | 212 |
| 841 | 1608 | 2302 | 149 | 215 | 993 | 1635 | 895 | 27 | 39 |
| 846 | 1045 | 1256 | 0 | 10 | 996 | 1340 | 2558 | 256 | 257 |
| 846 | 1383 | 64296 | 235 | 243 | 996 | 1686 | 21111 | 31 | 247 |
| 846 | 1486 | 69360 | 165 | 233 | 1003 | 1082 | 8297 | 3 | 263 |
| 846 | 1630 | 66911 | 24 | 208 | 1003 | 1142 | 453 | 278 | 278 |
| 848 | 1229 | 9637 | 163 | 225 | 1003 | 1539 | 3675 | 109 | 157 |
| 848 | 1363 | 5437 | 75 | 124 | 1003 | 1624 | 5932 | 158 | 252 |
| 851 | 962 | 5277 | 190 | 297 | 1004 | 1245 | 1982 | 90 | 135 |
| 854 | 956 | 2367 | 152 | 291 | 1012 | 1602 | 1817 | 104 | 167 |
| 857 | 967 | 492 | 121 | 129 | 1016 | 1587 | 1723 | 187 | 249 |
| 857 | 1083 | 1892 | 158 | 234 | 1026 | 1656 | 509 | 40 | 62 |
| 857 | 1663 | 674 | 63 | 89 | 1027 | 1253 | 10849 | 71 | 255 |
| 867 | 1448 | 2134 | 171 | 279 | 1027 | 1462 | 3271 | 239 | 248 |
| 871 | 1120 | 717 | 205 | 211 | 1027 | 1698 | 1654 | 201 | 284 |
| 871 | 1733 | 1566 | 171 | 208 | 1034 | 1653 | 570 | 84 | 93 |
| 872 | 1795 | 1022 | 167 | 289 | 1034 | 1763 | 516 | 250 | 253 |
| 873 | 1217 | 1092 | 115 | 207 | 1037 | 1791 | 292 | 11 | 29 |
| 878 | 1389 | 1766 | 7 | 63 | 1045 | 1383 | 65552 | 243 | 252 |
| 878 | 1443 | 2877 | 121 | 156 | 1045 | 1406 | 68104 | 173 | 239 |
| 878 | 1774 | 2921 | 174 | 194 | 1045 | 1638 | 68167 | 16 | 297 |
| 891 | 1592 | 477 | 79 | 136 | 1055 | 1217 | 1501 | 125 | 185 |
| 901 | 1420 | 4046 | 36 | 247 | 1057 | 1420 | 1801 | 32 | 114 |
| 903 | 1597 | 851 | 219 | 279 | 1060 | 1377 | 1869 | 82 | 211 |
| 913 | 1063 | 53 | 169 | 169 | 1061 | 1302 | 1498 | 101 | 121 |
| 918 | 1510 | 946 | 217 | 293 | 1061 | 1445 | 2375 | 196 | 220 |
| 929 | 1307 | 2936 | 33 | 204 | 1061 | 1487 | 5995 | 32 | 262 |
| 929 | 1537 | 256 | 122 | 123 | 1061 | 1674 | 4464 | 190 | 277 |
| 931 | 1220 | 339 | 19 | 69 | 1061 | 1687 | 1716 | 144 | 163 |
| 936 | 1261 | 5626 | 31 | 240 | 1068 | 1285 | 1074 | 198 | 224 |
| 936 | 1305 | 49 | 78 | 78 | 1073 | 1162 | 516 | 299 | 299 |
| 938 | 1623 | 3542 | 168 | 231 | 1073 | 1253 | 634 | 281 | 281 |
| 938 | 1633 | 4240 | 17 | 198 | 1074 | 1462 | 12738 | 165 | 266 |
| 939 | 1493 | 3679 | 7 | 166 | 1078 | 1681 | 851 | 153 | 187 |
| 946 | 1239 | 3914 | 230 | 254 | 1080 | 1396 | 2658 | 113 | 240 |
| 948 | 1710 | 852 | 217 | 251 | 1080 | 1541 | 30 | 281 | 281 |
| 951 | 1169 | 2239 | 51 | 167 | 1082 | 1539 | 4622 | 106 | 177 |
| 952 | 1226 | 1422 | 158 | 291 | 1082 | 1615 | 4926 | 147 | 210 |
| 954 | 1576 | 3079 | 195 | 203 | 1084 | 1352 | 1019 | 135 | 151 |
| 954 | 1691 | 10946 | 79 | 221 | 1084 | 1435 | 3156 | 151 | 265 |
| 956 | 1708 | 1936 | 148 | 251 | 1092 | 1290 | 594 | 206 | 214 |
| 958 | 1062 | 1797 | 64 | 188 | 1095 | 1412 | 264 | 211 | 216 |
| 959 | 1044 | 5 | 208 | 208 | 1096 | 1300 | 1392 | 41 | 234 |
| 960 | 1652 | 1997 | 175 | 206 | 1100 | 1497 | 3151 | 28 | 64 |
| 967 | 1663 | 1166 | 53 | 124 | 1110 | 1647 | 2025 | 208 | 291 |
| 969 | 1496 | 4605 | 214 | 288 | 1110 | 1716 | 2560 | 142 | 294 |
| 971 | 1357 | 276 | 210 | 220 | 1111 | 1513 | 3493 | 90 | 256 |
| 974 | 1549 | 651 | 111 | 127 | 1113 | 1206 | 137 | 205 | 207 |
| 974 | 1663 | 2534 | 77 | 251 | 1117 | 1514 | 1239 | 197 | 219 |

TABLE II (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|----------------|------------|-----|--------------------|------|----------------|------------|-----|
| j | k | 0.001 x | | | j | k | 0.001 x | | |
| 1122 | 1412 | 2434 | 22 | 202 | 1302 | 1687 | 3214 | 43 | 153 |
| 1122 | 1480 | 13 | 122 | 122 | 1307 | 1537 | 2680 | 155 | 238 |
| 1125 | 1131 | 3210 | 120 | 252 | 1319 | 1666 | 4900 | 48 | 236 |
| 1125 | 1336 | 106 | 139 | 139 | 1324 | 1762 | 60 | 270 | 270 |
| 1131 | 1336 | 3316 | 41 | 190 | 1327 | 1344 | 2133 | 170 | 273 |
| 1131 | 1619 | 2199 | 12 | 124 | 1327 | 1393 | 1188 | 73 | 142 |
| 1133 | 1522 | 2551 | 13 | 239 | 1331 | 1725 | 2749 | 90 | 175 |
| 1135 | 1267 | 1410 | 140 | 178 | 1332 | 1725 | 5287 | 33 | 230 |
| 1135 | 1381 | 987 | 23 | 81 | 1343 | 1559 | 2192 | 51 | 237 |
| 1142 | 1624 | 5479 | 120 | 229 | 1349 | 1468 | 1006 | 32 | 177 |
| 1149 | 1649 | 286 | 29 | 61 | 1351 | 1552 | 40 | 168 | 168 |
| 1150 | 1692 | 5894 | 25 | 247 | 1363 | 1442 | 6090 | 159 | 201 |
| 1154 | 1667 | 2999 | 82 | 253 | 1375 | 1563 | 830 | 141 | 165 |
| 1154 | 1680 | 266 | 292 | 283 | 1383 | 1486 | 133656 | 70 | 94 |
| 1156 | 1784 | 4669 | 51 | 129 | 1383 | 1638 | 2615 | 259 | 259 |
| 1167 | 1203 | 422 | 237 | 241 | 1385 | 1443 | 1111 | 128 | 134 |
| 1167 | 1328 | 918 | 24 | 94 | 1386 | 1774 | 755 | 181 | 183 |
| 1171 | 1331 | 922 | 27 | 56 | 1396 | 1700 | 2356 | 33 | 192 |
| 1171 | 1725 | 3671 | 117 | 231 | 1397 | 1745 | 1155 | 264 | 273 |
| 1171 | 1748 | 2945 | 241 | 291 | 1412 | 1480 | 2421 | 144 | 248 |
| 1188 | 1541 | 3422 | 62 | 297 | 1415 | 1430 | 1575 | 158 | 183 |
| 1190 | 1319 | 2247 | 9 | 107 | 1415 | 1559 | 813 | 215 | 220 |
| 1198 | 1666 | 2853 | 39 | 131 | 1416 | 1672 | 136 | 92 | 95 |
| 1203 | 1328 | 496 | 213 | 219 | 1418 | 1640 | 427 | 78 | 94 |
| 1203 | 1377 | 2009 | 77 | 223 | 1422 | 1650 | 1666 | 72 | 106 |
| 1218 | 1544 | 3934 | 174 | 283 | 1422 | 1692 | 1047 | 259 | 263 |
| 1219 | 1472 | 2962 | 154 | 272 | 1423 | 1741 | 3456 | 8 | 175 |
| 1225 | 1768 | 397 | 203 | 204 | 1430 | 1559 | 762 | 57 | 71 |
| 1229 | 1672 | 14563 | 163 | 205 | 1433 | 1746 | 1042 | 168 | 226 |
| 1238 | 1540 | 875 | 165 | 247 | 1442 | 1793 | 4452 | 258 | 279 |
| 1247 | 1615 | 5864 | 58 | 298 | 1443 | 1774 | 356 | 53 | 54 |
| 1247 | 1782 | 4799 | 205 | 246 | 1446 | 1527 | 1495 | 79 | 158 |
| 1248 | 1427 | 521 | 221 | 236 | 1450 | 1601 | 314 | 83 | 87 |
| 1249 | 1365 | 62 | 193 | 193 | 1452 | 1637 | 565 | 81 | 160 |
| 1256 | 1611 | 1544 | 129 | 171 | 1462 | 1669 | 6182 | 26 | 112 |
| 1258 | 1288 | 846 | 177 | 210 | 1466 | 1617 | 176 | 126 | 132 |
| 1258 | 1709 | 139 | 255 | 256 | 1479 | 1500 | 560 | 133 | 182 |
| 1258 | 1714 | 899 | 151 | 227 | 1479 | 1501 | 1985 | 2 | 253 |
| 1259 | 1261 | 6395 | 32 | 272 | 1487 | 1674 | 1531 | 222 | 232 |
| 1259 | 1761 | 1742 | 62 | 97 | 1487 | 1687 | 4279 | 176 | 259 |
| 1261 | 1305 | 5577 | 109 | 256 | 1488 | 1557 | 465 | 213 | 229 |
| 1267 | 1381 | 423 | 117 | 122 | 1489 | 1742 | 3388 | 70 | 160 |
| 1269 | 1350 | 4116 | 195 | 282 | 1489 | 1762 | 4895 | 143 | 245 |
| 1272 | 1746 | 673 | 130 | 163 | 1489 | 1764 | 3140 | 194 | 232 |
| 1278 | 1665 | 1316 | 49 | 253 | 1494 | 1692 | 5423 | 41 | 241 |
| 1288 | 1598 | 1594 | 42 | 214 | 1501 | 1631 | 12 | 163 | 163 |
| 1288 | 1709 | 985 | 78 | 151 | 1511 | 1680 | 1789 | 187 | 228 |
| 1289 | 1536 | 1794 | 75 | 89 | 1518 | 1675 | 2242 | 74 | 274 |
| 1289 | 1573 | 3426 | 49 | 108 | 1533 | 1732 | 761 | 87 | 166 |
| 1292 | 1699 | 2121 | 192 | 207 | 1533 | 1755 | 563 | 33 | 182 |
| 1296 | 1590 | 459 | 233 | 235 | 1536 | 1570 | 5220 | 124 | 190 |
| 1297 | 1485 | 1774 | 71 | 286 | 1539 | 1615 | 9548 | 41 | 284 |
| 1298 | 1374 | 2177 | 169 | 266 | 1541 | 1790 | 319 | 218 | 220 |
| 1302 | 1445 | 877 | 297 | 299 | 1545 | 1741 | 2762 | 86 | 166 |
| 1302 | 1674 | 5962 | 89 | 289 | 1549 | 1663 | 1883 | 188 | 260 |

TABLE II (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|-----------------------|------------|-----|--------------------|------|-----------------------|------------|-----|
| j | k | 0 ^o .001 × | | | j | k | 0 ^o .001 × | | |
| 1551 | 1684 | 925 | 118 | 132 | 1653 | 1763 | 1086 | 166 | 184 |
| 1563 | 1676 | 1197 | 158 | 202 | 1668 | 1736 | 1022 | 173 | 227 |
| 1570 | 1635 | 5108 | 143 | 209 | 1668 | 1759 | 2321 | 162 | 248 |
| 1576 | 1691 | 7867 | 116 | 178 | 1672 | 1691 | 10942 | 37 | 199 |
| 1576 | 1788 | 5277 | 278 | 287 | 1674 | 1687 | 2748 | 46 | 136 |
| 1581 | 1773 | 1039 | 76 | 88 | 1699 | 1706 | 5770 | 101 | 218 |
| 1599 | 1664 | 705 | 14 | 76 | 1704 | 1779 | 5912 | 71 | 119 |
| 1615 | 1782 | 5065 | 147 | 204 | 1717 | 1749 | 344 | 129 | 134 |
| 1623 | 1633 | 698 | 185 | 188 | 1724 | 1754 | 426 | 215 | 233 |
| 1639 | 1746 | 1514 | 21 | 222 | 1733 | 1736 | 226 | 127 | 128 |
| 1645 | 1704 | 8787 | 49 | 159 | 1733 | 1759 | 273 | 138 | 140 |
| 1645 | 1779 | 14699 | 120 | 271 | 1736 | 1759 | 499 | 11 | 41 |
| 1651 | 1766 | 1207 | 149 | 184 | 1742 | 1764 | 248 | 264 | 264 |

TABLE III

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|-----------------------|------------|-----|--------------------|------|-----------------------|------------|-----|
| j | k | 0 ^o .001 × | | | j | k | 0 ^o .001 × | | |
| 20 | 822 | 3588 | 7 | 49 | 383 | 1687 | 423 | 17 | 26 |
| 24 | 300 | 6495 | 5 | 87 | 414 | 1655 | 11 | 17 | 17 |
| 24 | 1074 | 2605 | 91 | 98 | 441 | 896 | 176 | 59 | 64 |
| 29 | 711 | 650 | 2 | 69 | 452 | 534 | 808 | 56 | 72 |
| 33 | 1204 | 722 | 17 | 29 | 460 | 1200 | 479 | 39 | 55 |
| 37 | 66 | 142 | 15 | 17 | 461 | 1782 | 1195 | 83 | 89 |
| 43 | 901 | 392 | 21 | 32 | 526 | 1142 | 1642 | 70 | 93 |
| 67 | 525 | 417 | 21 | 48 | 538 | 827 | 444 | 75 | 90 |
| 73 | 1729 | 1410 | 70 | 92 | 557 | 1496 | 1296 | 7 | 57 |
| 76 | 150 | 898 | 92 | 98 | 574 | 1279 | 688 | 31 | 73 |
| 79 | 460 | 1154 | 5 | 93 | 615 | 1183 | 1528 | 31 | 81 |
| 79 | 1200 | 675 | 34 | 64 | 620 | 1018 | 394 | 32 | 62 |
| 84 | 1737 | 68 | 62 | 63 | 632 | 1610 | 2337 | 23 | 93 |
| 107 | 339 | 402 | 3 | 69 | 658 | 1382 | 1608 | 41 | 60 |
| 108 | 1267 | 523 | 28 | 49 | 659 | 1135 | 455 | 40 | 54 |
| 110 | 1393 | 393 | 84 | 93 | 682 | 920 | 176 | 31 | 47 |
| 114 | 723 | 710 | 45 | 76 | 708 | 1481 | 577 | 68 | 91 |
| 142 | 969 | 1556 | 46 | 77 | 710 | 1003 | 420 | 78 | 79 |
| 159 | 442 | 243 | 17 | 31 | 761 | 1358 | 2569 | 2 | 47 |
| 169 | 1308 | 76 | 87 | 87 | 763 | 985 | 640 | 16 | 48 |
| 184 | 1079 | 2655 | 30 | 62 | 784 | 1515 | 103 | 6 | 23 |
| 211 | 1147 | 718 | 1 | 49 | 794 | 795 | 323 | 28 | 41 |
| 279 | 1259 | 288 | 66 | 67 | 832 | 1704 | 4758 | 29 | 86 |
| 293 | 1260 | 185 | 3 | 26 | 846 | 1045 | 1256 | 8 | 10 |
| 321 | 975 | 1336 | 35 | 70 | 857 | 1663 | 674 | 63 | 89 |
| 321 | 1223 | 790 | 46 | 58 | 878 | 1389 | 1766 | 7 | 63 |
| 327 | 1418 | 74 | 38 | 39 | 931 | 1220 | 339 | 19 | 69 |
| 327 | 1640 | 353 | 40 | 59 | 936 | 1305 | 45 | 78 | 78 |
| 333 | 841 | 116 | 9 | 12 | 975 | 1223 | 2126 | 11 | 96 |
| 335 | 1217 | 228 | 61 | 64 | 985 | 1073 | 2330 | 2 | 66 |

TABLE III (continued)

| Numbered Asteroids | | $\Delta\Omega$ | Δi | I | Numbered Asteroids | | $\Delta\Omega$ | Δi | I |
|--------------------|------|------------------------|------------|-----|--------------------|------|------------------------|------------|-----|
| j | k | $0^{\circ}.001 \times$ | | | j | k | $0^{\circ}.001 \times$ | | |
| 993 | 1635 | 895 | 27 | 39 | 1289 | 1536 | 1794 | 75 | 89 |
| 1026 | 1056 | 509 | 40 | 62 | 1383 | 1486 | 133656 | 70 | 54 |
| 1034 | 1653 | 570 | 84 | 93 | 1416 | 1678 | 136 | 92 | 95 |
| 1037 | 1791 | 292 | 11 | 29 | 1418 | 1660 | 427 | 78 | 94 |
| 1109 | 1497 | 3151 | 28 | 64 | 1430 | 1559 | 762 | 57 | 71 |
| 1135 | 1381 | 987 | 23 | 81 | 1443 | 1774 | 356 | 53 | 54 |
| 1148 | 1649 | 286 | 29 | 61 | 1450 | 1601 | 314 | 83 | 87 |
| 1167 | 1328 | 918 | 24 | 94 | 1581 | 1778 | 1035 | 76 | 88 |
| 1171 | 1331 | 922 | 27 | 56 | 1599 | 1664 | 705 | 14 | 76 |
| 1259 | 1761 | 1742 | 62 | 97 | 1736 | 1759 | 459 | 11 | 41 |

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