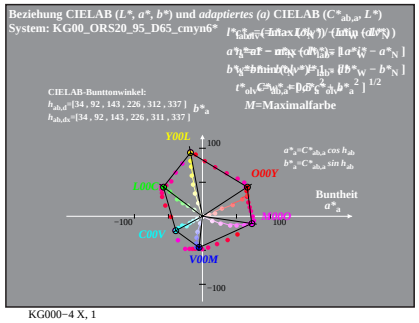
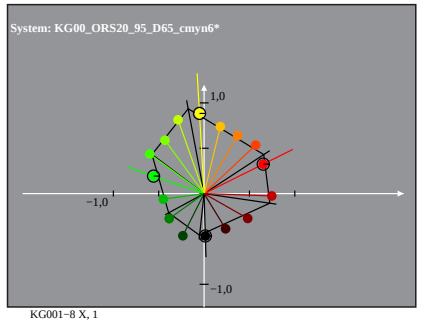



KG000−4 X, 1




KG001−8 X, 1

| no. | $h_{ab}$ | $L^*$ | $a^*_a$ | $b^*_a$ | no. | $h_{ab}$ | $L^*$ | $a^*_a$ | $b^*_a$ | no. | $h_{ab}$ | $L^*$ | $a^*_a$ | $b^*_a$ | no. | $h_{ab}$ | $L^*$ | $a^*_a$ | $b^*_a$ | no. | $h_{ab}$ | $L^*$ | $a^*_a$ | $b^*_a$ | no. | $h_{ab}$ | $L^*$ | $a^*_a$ | $b^*_a$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 648 | 33.1 | 48.1 | 64.5 | 42.0 | 720 | 100.3 | 93.5 | −17.4 | 95.2 | 72 | 143.2 | 60.2 | −59.2 | 44.3 | 80 | 206.5 | 56.3 | −40.8 | −20.4 | 8 | 264.0 | 38.6 | −4.8 | −45.9 | 656 | 351.2 | 48.2 | 72.2 | −11.0 |
| 657 | 34.0 | 48.9 | 63.2 | 42.7 | 639 | 110.8 | 82.3 | −29.5 | 77.4 | 73 | 143.8 | 59.6 | −59.9 | 43.7 | 71 | 224.3 | 52.4 | −36.0 | −35.2 | 89 | 265.1 | 39.2 | −4.0 | −47.1 | 655 | 355.0 | 48.2 | 75.5 | −6.4 |
| 666 | 38.8 | 49.8 | 61.4 | 49.4 | 558 | 121.4 | 74.0 | −39.3 | 64.2 | 74 | 144.3 | 59.6 | −59.4 | 42.6 | 62 | 242.1 | 51.2 | −25.3 | −47.9 | 170 | 266.8 | 38.9 | −2.5 | −47.1 | 654 | 359.7 | 47.8 | 73.7 | −0.2 |
| 675 | 46.9 | 54.8 | 51.6 | 55.3 | 477 | 131.7 | 67.1 | −45.8 | 51.2 | 75 | 146.9 | 58.6 | −60.3 | 39.3 | 53 | 248.3 | 48.1 | −19.0 | −47.9 | 251 | 269.7 | 37.2 | −0.1 | −48.4 | 653 | 5.9 | 48.0 | 71.1 | 7.4 |
| 684 | 60.6 | 63.0 | 35.5 | 63.2 | 396 | 139.6 | 62.0 | −53.2 | 45.2 | 76 | 150.2 | 58.2 | −59.5 | 34.0 | 44 | 253.0 | 45.4 | −14.5 | −47.9 | 332 | 280.2 | 36.1 | 8.3 | −46.0 | 652 | 10.7 | 48.2 | 69.4 | 13.1 |
| 693 | 75.4 | 72.0 | 18.6 | 72.0 | 315 | 141.5 | 61.1 | −55.1 | 43.7 | 77 | 154.3 | 57.5 | −59.2 | 28.5 | 35 | 257.5 | 43.0 | −10.5 | −47.7 | 413 | 297.6 | 36.8 | 21.4 | −40.8 | 651 | 16.7 | 47.9 | 67.4 | 20.3 |
| 702 | 87.6 | 80.7 | 3.3 | 81.0 | 234 | 143.5 | 60.0 | −58.9 | 43.4 | 78 | 163.8 | 58.0 | −54.5 | 15.7 | 26 | 262.2 | 41.1 | −6.4 | −47.4 | 494 | 316.6 | 38.9 | 37.0 | −34.9 | 650 | 23.6 | 48.1 | 65.6 | 28.7 |
| 711 | 96.2 | 88.8 | −9.9 | 90.7 | 153 | 143.9 | 59.6 | −59.7 | 43.5 | 79 | 181.0 | 59.7 | −46.3 | −0.8 | 17 | 264.7 | 39.8 | −4.3 | −47.1 | 575 | 332.5 | 41.9 | 51.4 | −26.6 | 649 | 29.6 | 48.3 | 64.8 | 36.9 |

***RJGB*ton**, 25.4 , 92.3 , 162.2 , 271.7 ***RJGB*all**: 25 42 58 75 92 109 127 144 162 189 216 244 271 300 328 357

| | | | | | | | | | | | | | | | | | | | $X_t$ | $Y_t$ | $Z_t$ | $L^*_t$ | $a^*_t$ | $b^*_t$ | $L^*_{t,a}$ | $a^*_{t,a}$ | $b^*_{t,a}$ | $h_{ab,t}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***r00j*** | 724 | 655 | 606 | 574 | 560 | 559 | 571 | 569 | 563 | 604 | 706 | 785 | 777 | 680 | 526 | 413 | 394 | 416 | | | | | | | | | | |
| | 398 | 390 | 675 | 1973 | 4227 | 6314 | 7668 | 8386 | 8736 | 8896 | 8971 | 8986 | 8993 | 8993 | 9001 | 9018 | 9009 | 9013 | 30.4 | 16.9 | 6.5 | 48.2 | 65.1 | 32.4 | 48.2 | 65.1 | 32.4 | 26.4 |
| ***r25j*** | 342 | 272 | 227 | 203 | 190 | 187 | 191 | 205 | 238 | 328 | 569 | 884 | 1060 | 1033 | 872 | 732 | 707 | 738 | | | | | | | | | | |
| | 711 | 695 | 1053 | 2505 | 4783 | 6759 | 7979 | 8602 | 8902 | 9040 | 9104 | 9115 | 9118 | 9118 | 9123 | 9140 | 9130 | 9132 | 32.6 | 20.1 | 3.5 | 52.0 | 56.8 | 53.4 | 52.0 | 56.8 | 53.4 | 43.2 |
| ***r50j*** | 371 | 292 | 236 | 210 | 196 | 194 | 201 | 214 | 256 | 387 | 788 | 1459 | 2002 | 2180 | 2070 | 1913 | 1889 | 1934 | | | | | | | | | | |
| | 1894 | 1872 | 2320 | 3864 | 5920 | 7492 | 8375 | 8802 | 9005 | 9100 | 9148 | 9148 | 9147 | 9143 | 9148 | 9163 | 9150 | 9153 | 39.6 | 30.5 | 4.8 | 62.0 | 36.9 | 63.9 | 62.0 | 36.9 | 63.9 | 59.9 |
| ***r75j*** | 429 | 330 | 264 | 231 | 214 | 212 | 221 | 241 | 294 | 473 | 1053 | 2114 | 3116 | 3620 | 3672 | 3572 | 3565 | 3615 | | | | | | | | | | |
| | 3574 | 3555 | 3985 | 5341 | 6963 | 8087 | 8678 | 8953 | 9086 | 9152 | 9184 | 9177 | 9176 | 9169 | 9172 | 9189 | 9174 | 9179 | 47.8 | 43.8 | 6.4 | 72.1 | 17.9 | 73.8 | 72.1 | 17.9 | 73.8 | 76.3 |
| ***j00g*** | 459 | 333 | 263 | 230 | 212 | 205 | 214 | 239 | 312 | 571 | 1427 | 3064 | 4798 | 5938 | 6410 | 6514 | 6573 | 6624 | | | | | | | | | | |
| | 6603 | 6610 | 6853 | 7562 | 8301 | 8754 | 8984 | 9089 | 9150 | 9188 | 9208 | 9196 | 9189 | 9179 | 9180 | 9194 | 9182 | 9187 | 61.0 | 66.5 | 8.7 | 85.2 | −5.0 | 88.3 | 85.2 | −5.0 | 88.3 | 93.2 |
| ***j25g*** | 394 | 314 | 271 | 243 | 229 | 230 | 243 | 277 | 366 | 667 | 1634 | 3524 | 5613 | 7029 | 7563 | 7507 | 7247 | 6910 | | | | | | | | | | |
| | 6572 | 6357 | 6209 | 6119 | 6037 | 5980 | 5962 | 5951 | 5953 | 5985 | 6045 | 6073 | 6057 | 6017 | 5957 | 5904 | 5881 | 5930 | 48.9 | 63.4 | 10.0 | 83.6 | −28.6 | 81.3 | 83.6 | −28.6 | 81.3 | 109.4 |
| ***j50g*** | 330 | 295 | 287 | 276 | 266 | 268 | 289 | 334 | 428 | 724 | 1627 | 3358 | 5162 | 6144 | 6196 | 5714 | 5095 | 4457 | | | | | | | | | | |
| | 3886 | 3517 | 3297 | 3166 | 3052 | 2964 | 2923 | 2898 | 2889 | 2924 | 2998 | 3048 | 3034 | 2983 | 2900 | 2819 | 2798 | 2867 | 27.0 | 41.2 | 9.9 | 70.3 | −43.1 | 58.8 | 70.3 | −43.1 | 58.8 | 126.2 |
| ***j75g*** | 206 | 208 | 210 | 203 | 195 | 201 | 221 | 267 | 364 | 663 | 1576 | 3250 | 4827 | 5461 | 5195 | 4478 | 3677 | 2904 | | | | | | | | | | |
| | 2248 | 1836 | 1609 | 1478 | 1367 | 1282 | 1239 | 1217 | 1204 | 1235 | 1305 | 1358 | 1345 | 1299 | 1220 | 1144 | 1132 | 1195 | 14.2 | 27.6 | 8.8 | 59.5 | −59.9 | 43.6 | 59.5 | −59.9 | 43.6 | 143.9 |
| ***g00b*** | 376 | 446 | 566 | 668 | 702 | 767 | 894 | 1054 | 1268 | 1724 | 2728 | 4171 | 5234 | 5421 | 4936 | 4137 | 3313 | 2551 | | | | | | | | | | |
| | 1933 | 1562 | 1365 | 1255 | 1163 | 1095 | 1060 | 1040 | 1029 | 1051 | 1103 | 1143 | 1132 | 1095 | 1034 | 978 | 968 | 1022 | 13.8 | 25.9 | 17.2 | 57.9 | −55.7 | 19.2 | 57.9 | −55.7 | 19.2 | 160.9 |
| ***g25b*** | 661 | 907 | 1302 | 1672 | 1827 | 2050 | 2402 | 2736 | 3019 | 3481 | 4307 | 5273 | 5771 | 5601 | 4971 | 4116 | 3264 | 2484 | | | | | | | | | | |
| | 1857 | 1486 | 1292 | 1184 | 1096 | 1029 | 996 | 977 | 967 | 987 | 1035 | 1072 | 1061 | 1026 | 968 | 916 | 910 | 961 | 16.1 | 26.6 | 33.3 | 58.6 | −44.9 | −6.1 | 58.6 | −44.9 | −6.1 | 187.7 |
| ***g50b*** | 575 | 932 | 1560 | 2200 | 2504 | 2915 | 3538 | 4075 | 4382 | 4749 | 5259 | 5695 | 5703 | 5250 | 4472 | 3532 | 2632 | 1838 | | | | | | | | | | |
| | 1233 | 895 | 730 | 645 | 577 | 530 | 506 | 494 | 487 | 500 | 534 | 561 | 554 | 530 | 492 | 460 | 463 | 501 | 13.9 | 22.0 | 44.6 | 54.1 | −38.4 | −27.6 | 54.1 | −38.4 | −27.6 | 215.7 |
| ***g75b*** | 492 | 910 | 1738 | 2661 | 3137 | 3792 | 4820 | 5651 | 5919 | 6017 | 5959 | 5736 | 5327 | 4709 | 3880 | 2944 | 2079 | 1341 | | | | | | | | | | |
| | 803 | 523 | 402 | 350 | 311 | 281 | 267 | 259 | 256 | 265 | 286 | 306 | 301 | 286 | 263 | 249 | 256 | 288 | 13.6 | 18.5 | 56.3 | 50.1 | −23.4 | −46.4 | 50.1 | −23.4 | −46.4 | 243.2 |
| ***b00r*** | 465 | 762 | 1375 | 2029 | 2366 | 2804 | 3420 | 3781 | 3731 | 3554 | 3279 | 2960 | 2643 | 2259 | 1762 | 1275 | 901 | 607 | | | | | | | | | | |
| | 382 | 276 | 272 | 339 | 381 | 380 | 373 | 366 | 362 | 374 | 404 | 430 | 425 | 402 | 369 | 342 | 345 | 379 | 9.2 | 9.5 | 35.9 | 37.0 | 1.3 | −46.7 | 37.0 | 1.3 | −46.7 | 271.6 |
| ***b25r*** | 902 | 1234 | 1753 | 2232 | 2471 | 2768 | 3110 | 3200 | 3005 | 2723 | 2385 | 2058 | 1797 | 1524 | 1191 | 898 | 715 | 577 | | | | | | | | | | |
| | 442 | 371 | 439 | 746 | 1093 | 1268 | 1335 | 1357 | 1366 | 1400 | 1467 | 1516 | 1506 | 1466 | 1395 | 1328 | 1316 | 1378 | 12.2 | 9.6 | 30.1 | 37.1 | 23.6 | −38.7 | 37.1 | 23.6 | −38.7 | 301.4 |
| ***b50r*** | 1538 | 1803 | 2171 | 2482 | 2641 | 2818 | 2979 | 2900 | 2611 | 2265 | 1889 | 1551 | 1315 | 1093 | 835 | 638 | 552 | 508 | | | | | | | | | | |
| | 433 | 390 | 564 | 1323 | 2371 | 3072 | 3411 | 3554 | 3616 | 3684 | 3775 | 3833 | 3824 | 3774 | 3693 | 3610 | 3593 | 3660 | 19.4 | 12.0 | 27.2 | 41.2 | 48.0 | −27.3 | 41.2 | 48.0 | −27.3 | 330.3 |
| ***b75r*** | 1975 | 1997 | 2075 | 2148 | 2196 | 2252 | 2264 | 2089 | 1804 | 1499 | 1190 | 926 | 750 | 596 | 430 | 325 | 309 | 328 | | | | | | | | | | |
| | 313 | 312 | 582 | 1912 | 4250 | 6391 | 7767 | 8493 | 8843 | 9004 | 9077 | 9090 | 9096 | 9095 | 9102 | 9118 | 9108 | 9114 | 32.8 | 16.8 | 19.7 | 48.1 | 74.6 | −2.5 | 48.1 | 74.6 | −2.5 | 358.0 |