$coordinates

| | | | |
|---|---|---|---|
| Sn | -2.48291605379919 | -3.43039686319009 | 5.73284191020571 |
| Sn | 1.81506587471510 | 7.61335808832227 | 2.96964242587901 |
| Sn | 2.10545514103987 | -5.96449072368103 | -3.61277637430716 |
| Ag | -5.40117181856540 | -0.02098721519623 | 2.25641117688132 |
| Ag | 0.24189431704076 | -0.80129656634110 | -5.62665981117870 |
| Ag | -3.88866882020309 | 1.73959343148645 | -3.22056239992563 |
| Ag | -8.58443546186060 | 3.12525311983824 | -1.03036044045758 |
| Ag | -4.86195603191308 | -1.52332451312735 | -7.63146559711978 |
| Ag | -0.69811582483211 | -2.03438721855102 | -0.32687641204068 |
| Sn | 5.21588761131132 | 2.61604166571566 | 2.66097406740404 |
| Sn | -0.70386873697169 | 9.09205309640292 | -2.24881648285826 |
| Sn | -5.86063380792890 | 6.98402922607490 | -4.17881094247606 |
| Sn | -5.08336756024188 | 3.75609533334802 | -8.99834575037977 |
| Ag | 1.30311658349290 | 3.59215207723378 | -1.26578515349777 |
| Ag | -7.54318847927228 | -2.25931454643058 | -2.64495004779975 |
| Sn | -3.66717688024822 | -5.98947535402823 | -4.45995330266025 |
| Ag | -5.12206534348361 | -5.47368618278374 | 1.04813407622277 |
| Sn | -0.02108768248566 | -7.49464162866025 | 1.70433943600203 |
| Ag | -0.31219530740986 | 1.52045852614029 | 4.03705604171872 |
| Sn | -0.20804009649918 | 4.91538079855649 | -6.40180930482352 |
| Sn | 4.78487989906462 | -0.76057757172033 | -2.10768893526962 |
| Ag | -3.69960870393552 | 5.35470045604617 | 1.10745767965713 |
| Ag | -2.18758802982073 | 6.15675908090334 | 6.23812860347765 |
| Sn | 3.21408227959918 | -2.99367394828863 | 3.75213030432338 |

$end

vibrational frequencies, intensities

| mode | au_amu | cm-1 | km/mol |
|---|---|---|---|
| 7 | 0.002900 | 14.9 | 0.11 |
| 8 | 0.003844 | 19.8 | 0.04 |
| 9 | 0.004109 | 21.1 | 0.09 |
| 10 | 0.005197 | 26.7 | 0.03 |
| 11 | 0.005470 | 28.1 | 0.16 |
| 12 | 0.006267 | 32.2 | 0.11 |
| 13 | 0.006427 | 33.0 | 0.01 |
| 14 | 0.006742 | 34.7 | 0.26 |
| 15 | 0.007135 | 36.7 | 0.08 |
| 16 | 0.007382 | 37.9 | 0.01 |
| 17 | 0.007732 | 39.7 | 0.21 |
| 18 | 0.008293 | 42.6 | 0.07 |
| 19 | 0.008492 | 43.7 | 0.18 |
| 20 | 0.008667 | 44.6 | 0.21 |
| 21 | 0.008955 | 46.0 | 0.12 |
| 22 | 0.009210 | 47.3 | 0.01 |
| 23 | 0.009841 | 50.6 | 0.08 |
| 24 | 0.009996 | 51.4 | 0.40 |
| 25 | 0.010391 | 53.4 | 0.59 |
| 26 | 0.010474 | 53.8 | 0.22 |
| 27 | 0.010790 | 55.5 | 0.06 |
| 28 | 0.011202 | 57.6 | 0.02 |

| | | | |
|---|---|---|---|
| 29 | 0.011622 | 59.7 | 0.04 |
| 30 | 0.011945 | 61.4 | 0.13 |
| 31 | 0.012234 | 62.9 | 0.07 |
| 32 | 0.012729 | 65.4 | 0.17 |
| 33 | 0.013100 | 67.3 | 0.11 |
| 34 | 0.013232 | 68.0 | 0.12 |
| 35 | 0.013728 | 70.6 | 0.45 |
| 36 | 0.013778 | 70.8 | 0.26 |
| 37 | 0.014216 | 73.1 | 0.08 |
| 38 | 0.014364 | 73.8 | 0.04 |
| 39 | 0.014746 | 75.8 | 0.06 |
| 40 | 0.015272 | 78.5 | 0.05 |
| 41 | 0.015587 | 80.1 | 0.32 |
| 42 | 0.015708 | 80.7 | 0.23 |
| 43 | 0.016333 | 84.0 | 0.21 |
| 44 | 0.016732 | 86.0 | 0.09 |
| 45 | 0.017057 | 87.7 | 0.04 |
| 46 | 0.017166 | 88.2 | 0.02 |
| 47 | 0.017493 | 89.9 | 0.18 |
| 48 | 0.018097 | 93.0 | 0.31 |
| 49 | 0.018330 | 94.2 | 0.04 |
| 50 | 0.018545 | 95.3 | 0.06 |
| 51 | 0.018944 | 97.4 | 0.02 |
| 52 | 0.019408 | 99.8 | 0.28 |
| 53 | 0.020090 | 103.3 | 0.20 |
| 54 | 0.020379 | 104.8 | 0.23 |
| 55 | 0.021271 | 109.3 | 0.11 |
| 56 | 0.021601 | 111.0 | 0.07 |
| 57 | 0.021844 | 112.3 | 0.13 |
| 58 | 0.022143 | 113.8 | 0.28 |
| 59 | 0.022726 | 116.8 | 0.44 |
| 60 | 0.022986 | 118.2 | 0.25 |
| 61 | 0.023458 | 120.6 | 0.21 |
| 62 | 0.023625 | 121.4 | 0.29 |
| 63 | 0.023845 | 122.6 | 0.50 |
| 64 | 0.024113 | 124.0 | 0.22 |
| 65 | 0.024169 | 124.2 | 0.02 |
| 66 | 0.024837 | 127.7 | 0.49 |
| 67 | 0.025574 | 131.5 | 0.72 |
| 68 | 0.026433 | 135.9 | 0.70 |
| 69 | 0.026777 | 137.6 | 0.21 |
| 70 | 0.027712 | 142.5 | 0.34 |
| 71 | 0.029018 | 149.2 | 0.22 |
| 72 | 0.029562 | 152.0 | 0.38 |

Frequencies (cm-1) and normal modes

| 7: 14.9 | 8: 19.8 | 9: 21.1 | 10: 26.7 | 11: 28.1 | 12: 32.2 | 13: 33.0 | 14: 34.7 | 15: 36.7 |
|---|---|---|---|---|---|---|---|---|
| Sn x -0.2458 | 0.0935 | -0.0388 | -0.0157 | 0.0151 | 0.0825 | 0.0043 | 0.1719 | 0.0462 |
| y 0.0377 | 0.0037 | 0.0347 | 0.2570 | 0.1781 | -0.0543 | -0.0437 | 0.0569 | -0.0360 |
| z -0.0251 | 0.0357 | 0.0376 | 0.0416 | -0.0057 | -0.0558 | 0.1644 | 0.0103 | -0.0021 |
| Sn x 0.2023 | -0.2381 | 0.1128 | 0.1677 | -0.1470 | -0.0212 | -0.1338 | 0.0665 | 0.0075 |
| y -0.0588 | -0.0753 | 0.0765 | -0.1218 | -0.2040 | 0.0410 | 0.0175 | -0.0571 | 0.1524 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| z | -0.0515 | 0.2431 | 0.0051 | 0.1219 | 0.1360 | -0.0242 | -0.1001 | -0.0568 | -0.0269 |
| Sn x | -0.0373 | -0.1260 | 0.1749 | -0.1527 | -0.0384 | -0.1371 | -0.1646 | 0.1004 | -0.2552 |
| y | -0.0722 | -0.0359 | -0.1167 | -0.0438 | -0.1337 | 0.0289 | -0.1868 | 0.1118 | 0.0146 |
| z | -0.2397 | -0.1422 | 0.3610 | 0.0204 | 0.1350 | -0.0981 | 0.0795 | 0.0377 | 0.0275 |
| Ag x | -0.0501 | 0.0342 | -0.0124 | -0.0633 | 0.0430 | 0.0863 | 0.0482 | -0.0325 | -0.0819 |
| y | -0.0799 | 0.0178 | -0.0303 | 0.0406 | 0.0742 | 0.0339 | -0.1094 | -0.0332 | -0.2898 |
| z | -0.0649 | 0.0566 | -0.0219 | -0.0378 | -0.1221 | 0.0062 | 0.1916 | 0.0428 | -0.0262 |
| Ag x | -0.0810 | -0.1699 | -0.1827 | 0.0903 | 0.0691 | -0.0241 | 0.0632 | -0.0804 | 0.1078 |
| y | -0.0587 | -0.1925 | -0.3151 | 0.1739 | 0.0120 | -0.0238 | -0.0216 | -0.0075 | 0.1331 |
| z | -0.0377 | -0.1511 | -0.0902 | -0.0650 | 0.0877 | 0.0501 | 0.0199 | 0.1068 | 0.0086 |
| Ag x | 0.0031 | 0.0504 | 0.0541 | -0.0129 | -0.0586 | -0.1054 | 0.1648 | -0.1855 | -0.0905 |
| y | -0.0241 | -0.0004 | -0.0335 | -0.0151 | -0.0286 | -0.0761 | 0.1328 | -0.0441 | -0.0786 |
| z | 0.0441 | -0.0186 | 0.0181 | -0.0442 | -0.0389 | 0.0316 | -0.0404 | -0.0382 | -0.0751 |
| Ag x | -0.0555 | 0.0900 | -0.0206 | -0.1241 | -0.0640 | -0.0419 | 0.1623 | -0.1702 | 0.0883 |
| y | -0.0793 | 0.0968 | -0.1233 | -0.1596 | 0.0048 | 0.0697 | -0.0258 | -0.1407 | 0.0093 |
| z | -0.0473 | -0.0153 | -0.0648 | -0.1811 | -0.0595 | 0.1581 | 0.1354 | -0.0263 | 0.1964 |
| Ag x | -0.0950 | -0.2404 | -0.1562 | 0.1756 | 0.1137 | 0.0356 | 0.0537 | -0.2460 | 0.1352 |
| y | 0.0905 | -0.0089 | 0.1301 | -0.1040 | 0.0434 | -0.0678 | 0.2864 | 0.2960 | -0.0487 |
| z | -0.0102 | 0.0332 | -0.1536 | -0.0261 | -0.0711 | -0.0664 | -0.0554 | 0.0305 | -0.0628 |
| Ag x | 0.1491 | 0.0402 | -0.0072 | -0.0708 | 0.1172 | 0.1782 | -0.0914 | -0.0698 | -0.1717 |
| y | 0.0276 | 0.0447 | 0.0259 | -0.0133 | 0.0136 | 0.1508 | -0.0841 | 0.0027 | -0.0462 |
| z | 0.0398 | -0.0153 | 0.0190 | -0.1059 | 0.0293 | 0.0895 | 0.0079 | 0.0502 | -0.0657 |
| Sn x | 0.0808 | 0.0121 | 0.0394 | 0.1923 | 0.1127 | 0.0763 | 0.0208 | 0.0484 | -0.0715 |
| y | -0.1328 | 0.0398 | 0.0005 | -0.1519 | 0.0312 | 0.0461 | 0.0621 | -0.0343 | 0.2270 |
| z | -0.0986 | -0.0930 | -0.0695 | -0.1580 | -0.1695 | 0.0040 | -0.1408 | 0.1038 | 0.0244 |
| Sn x | 0.0207 | 0.1692 | 0.0039 | -0.1734 | 0.1380 | -0.2445 | -0.2955 | 0.0451 | 0.2089 |
| y | -0.0507 | -0.0320 | -0.0277 | 0.0002 | -0.0836 | -0.1062 | 0.0108 | -0.1041 | -0.0232 |
| z | 0.0553 | 0.0154 | 0.0402 | 0.3374 | 0.0572 | 0.0383 | -0.0228 | 0.0307 | -0.0301 |
| Sn x | -0.0052 | 0.2198 | 0.0264 | -0.0723 | -0.0156 | -0.1420 | -0.1537 | -0.0199 | 0.1706 |
| y | -0.0139 | 0.0307 | -0.0478 | -0.0566 | 0.1177 | -0.1849 | -0.0759 | -0.0120 | 0.0291 |
| z | 0.0992 | -0.1121 | 0.0971 | 0.0050 | 0.1656 | -0.1423 | -0.1616 | -0.0039 | 0.1592 |
| Sn x | -0.0497 | 0.2039 | -0.0374 | 0.2509 | -0.3082 | 0.2348 | 0.1032 | 0.1749 | 0.0245 |
| y | 0.0959 | -0.0258 | 0.1676 | -0.0611 | 0.1176 | -0.1310 | 0.2150 | 0.2641 | 0.0542 |
| z | 0.0159 | -0.0627 | 0.0149 | -0.0208 | 0.1262 | -0.1488 | -0.2884 | -0.1707 | 0.1170 |
| Ag x | -0.0077 | -0.0762 | -0.1134 | 0.0135 | 0.0797 | -0.0027 | 0.0361 | 0.0500 | -0.0545 |
| y | -0.0215 | 0.0204 | 0.0647 | 0.0155 | -0.1597 | -0.1280 | 0.0174 | -0.2121 | -0.1003 |
| z | 0.0041 | 0.1091 | 0.1381 | 0.0717 | -0.1678 | 0.1263 | -0.1127 | 0.0116 | 0.0307 |
| Ag x | 0.0306 | 0.0249 | 0.0106 | 0.0415 | -0.0996 | -0.2892 | 0.2469 | -0.1081 | -0.0770 |
| y | -0.0697 | 0.0423 | -0.0249 | -0.1101 | 0.0056 | 0.1334 | 0.1211 | -0.1435 | -0.0837 |
| z | -0.0117 | 0.1559 | -0.1847 | -0.0104 | -0.1432 | -0.1791 | 0.0701 | 0.1574 | -0.0115 |
| Sn x | 0.0134 | -0.1437 | 0.1967 | -0.1079 | 0.0039 | -0.1657 | -0.0869 | 0.0751 | -0.1953 |
| y | 0.0012 | -0.0239 | 0.0650 | -0.0932 | 0.0378 | 0.0185 | 0.1091 | 0.2621 | -0.0804 |
| z | -0.1191 | 0.0132 | -0.1859 | 0.1085 | -0.0316 | -0.0589 | -0.1181 | 0.0017 | -0.1176 |
| Ag x | 0.2027 | 0.1414 | -0.0028 | -0.0480 | 0.0411 | -0.0018 | 0.0184 | 0.0013 | -0.0187 |
| y | -0.0889 | -0.0022 | 0.0623 | 0.0296 | 0.1344 | 0.2446 | -0.1212 | -0.0899 | -0.2970 |
| z | -0.0832 | 0.0746 | -0.1894 | 0.1965 | -0.1200 | -0.2798 | 0.0286 | 0.1596 | -0.1562 |
| Sn x | 0.3172 | 0.2147 | -0.1249 | -0.0221 | 0.0037 | -0.0427 | 0.0289 | 0.0190 | 0.0869 |
| y | 0.1141 | 0.0682 | 0.0266 | 0.0617 | 0.1140 | 0.1348 | 0.0034 | -0.0435 | 0.0687 |
| z | -0.0632 | 0.0013 | 0.3044 | 0.1273 | 0.2382 | -0.0404 | 0.1990 | -0.0679 | 0.2119 |
| Ag x | -0.1095 | -0.0001 | 0.0173 | 0.0361 | 0.1132 | 0.1073 | 0.0787 | 0.0019 | -0.1666 |
| y | 0.1418 | 0.0337 | -0.0310 | 0.1001 | 0.0539 | 0.0288 | -0.0682 | 0.0754 | 0.0504 |
| z | 0.0420 | 0.0522 | 0.0714 | -0.1526 | -0.0588 | 0.2565 | -0.0097 | -0.0460 | -0.0009 |
| Sn x | -0.0323 | 0.2108 | 0.0357 | 0.0677 | -0.1685 | 0.0158 | -0.0011 | 0.0420 | 0.1120 |
| y | -0.0337 | -0.1397 | -0.1595 | 0.2205 | 0.0182 | -0.0990 | 0.1289 | -0.0581 | -0.0090 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| z | 0.0174 | 0.0194 | 0.0870 | 0.1484 | -0.0810 | 0.1513 | -0.0878 | 0.0997 | -0.0127 |
| Sn x | -0.0850 | -0.1363 | -0.1620 | -0.0306 | 0.2024 | 0.1422 | -0.0838 | 0.2025 | 0.0405 |
| y | -0.1214 | 0.0846 | 0.2024 | 0.0231 | -0.2352 | -0.0817 | -0.1769 | -0.0889 | -0.0164 |
| z | -0.0009 | -0.2281 | -0.2235 | -0.2769 | 0.0139 | 0.0127 | 0.0784 | 0.1211 | 0.0246 |
| Ag x | -0.0362 | -0.0587 | -0.0622 | -0.1336 | 0.0432 | 0.0457 | 0.0274 | -0.0603 | 0.0687 |
| y | -0.0416 | 0.0683 | -0.0265 | -0.0999 | -0.0297 | -0.1196 | -0.0950 | -0.1327 | -0.1202 |
| z | 0.0453 | -0.0191 | 0.0878 | 0.0319 | -0.0678 | 0.0843 | 0.0385 | -0.1793 | 0.0229 |
| Ag x | 0.1043 | -0.4004 | 0.1603 | 0.0297 | -0.3207 | 0.0478 | 0.0204 | -0.1647 | 0.0520 |
| y | 0.2527 | -0.1431 | 0.0504 | 0.0452 | -0.1883 | 0.1167 | -0.1575 | 0.1809 | 0.2138 |
| z | -0.0268 | 0.0883 | 0.0183 | -0.0032 | 0.0412 | 0.0802 | 0.0418 | -0.2505 | -0.0117 |
| Sn x | -0.2314 | 0.0584 | 0.0740 | -0.0411 | 0.1284 | 0.1676 | -0.0278 | 0.0884 | 0.0239 |
| y | 0.1881 | 0.1277 | 0.0177 | 0.0585 | 0.1033 | 0.0421 | 0.0558 | -0.0597 | 0.2462 |
| z | 0.5118 | -0.0243 | -0.1329 | -0.1439 | 0.0746 | 0.0213 | 0.0972 | -0.1233 | -0.2307 |

16: 37.9 17: 39.7 18: 42.6 19: 43.7 20: 44.6 21: 46.0 22: 47.3 23: 50.6 24: 51.4

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.1617 | -0.0377 | -0.0966 | 0.1803 | -0.0492 | 0.0598 | 0.0270 | 0.0101 | 0.0101 |
| y | 0.0253 | 0.1240 | 0.0575 | 0.0372 | 0.1310 | 0.0686 | -0.1390 | -0.3031 | -0.0888 |
| z | -0.0319 | -0.1492 | 0.0319 | -0.1211 | -0.1087 | 0.0274 | 0.0901 | -0.0781 | 0.0794 |
| Sn x | 0.0271 | -0.0447 | -0.0213 | -0.0614 | -0.0359 | 0.0120 | 0.0032 | 0.1028 | 0.1255 |
| y | -0.2031 | 0.1888 | 0.0336 | -0.0054 | -0.0398 | 0.0177 | -0.0347 | -0.0103 | -0.0899 |
| z | -0.0118 | -0.0013 | 0.0481 | -0.0302 | 0.1269 | 0.0664 | -0.0366 | -0.0388 | -0.0064 |
| Sn x | 0.2342 | -0.0574 | 0.0621 | 0.0403 | 0.0961 | -0.0392 | -0.1813 | 0.1673 | -0.0844 |
| y | 0.0927 | -0.0456 | 0.1991 | -0.1220 | 0.0309 | 0.0466 | 0.0103 | -0.1122 | 0.1296 |
| z | 0.1903 | -0.0026 | -0.0844 | -0.0978 | 0.0483 | -0.0318 | 0.0838 | 0.0259 | 0.0220 |
| Ag x | -0.0946 | -0.0290 | -0.1765 | -0.0724 | -0.0750 | 0.0363 | 0.0153 | -0.0211 | -0.2596 |
| y | -0.0706 | -0.0077 | 0.0536 | 0.0581 | -0.1475 | 0.0852 | -0.0528 | -0.0700 | 0.0813 |
| z | -0.1174 | -0.2907 | 0.0978 | -0.0640 | 0.0421 | -0.1057 | -0.2133 | 0.0874 | 0.3841 |
| Ag x | -0.0953 | -0.0781 | 0.0585 | 0.0242 | 0.0609 | -0.2144 | 0.1093 | 0.0546 | -0.0583 |
| y | 0.1558 | -0.0459 | 0.0241 | -0.1247 | -0.1211 | -0.2572 | 0.1161 | -0.0882 | 0.1414 |
| z | 0.0702 | 0.0589 | -0.0916 | 0.1754 | -0.1432 | -0.0189 | -0.0641 | -0.0260 | 0.0979 |
| Ag x | -0.2337 | 0.0247 | -0.0239 | 0.1238 | 0.2471 | -0.0634 | 0.1104 | 0.1399 | 0.0140 |
| y | 0.1101 | -0.0136 | -0.0833 | 0.2104 | 0.0213 | 0.1128 | 0.0008 | 0.0024 | 0.1826 |
| z | -0.0643 | 0.1800 | -0.0514 | 0.1442 | 0.0703 | -0.3643 | -0.0179 | -0.1169 | 0.0915 |
| Ag x | 0.0102 | -0.1536 | -0.0411 | -0.0624 | 0.1389 | 0.0761 | -0.0267 | 0.0705 | -0.1515 |
| y | 0.4144 | 0.0606 | -0.0782 | 0.0756 | 0.0102 | 0.0630 | 0.0316 | -0.0143 | -0.1356 |
| z | 0.1950 | -0.2355 | -0.1666 | -0.2157 | 0.0967 | -0.1599 | -0.4097 | -0.1821 | -0.1505 |
| Ag x | -0.0869 | -0.2427 | 0.0130 | 0.1241 | -0.1578 | -0.1969 | -0.0344 | -0.0969 | -0.0537 |
| y | -0.1011 | 0.0548 | 0.0474 | 0.0840 | 0.0075 | -0.1988 | 0.1071 | -0.1126 | -0.0739 |
| z | 0.0414 | 0.2449 | -0.0865 | 0.1407 | 0.1711 | -0.2363 | 0.1186 | 0.1527 | 0.1439 |
| Ag x | -0.0661 | 0.0283 | -0.1190 | -0.0892 | 0.0322 | -0.1234 | 0.2238 | -0.0396 | -0.2103 |
| y | -0.0049 | -0.1496 | 0.0580 | -0.0832 | 0.0769 | 0.1029 | 0.0917 | -0.0160 | 0.1216 |
| z | -0.0440 | -0.0211 | -0.0464 | 0.0796 | -0.0626 | 0.0261 | 0.0332 | 0.0310 | 0.0417 |
| Sn x | 0.0554 | 0.0471 | 0.0571 | -0.0238 | 0.0206 | -0.0257 | -0.2233 | 0.0692 | 0.0997 |
| y | -0.1418 | 0.1871 | 0.2309 | 0.0533 | -0.0741 | 0.1048 | -0.1523 | 0.1702 | -0.0255 |
| z | -0.0779 | 0.0664 | -0.0932 | -0.1233 | 0.1132 | 0.1444 | 0.1475 | -0.2396 | 0.0844 |
| Sn x | -0.0431 | -0.1072 | 0.0851 | -0.0122 | -0.1212 | -0.1199 | -0.0507 | -0.0372 | 0.0813 |
| y | -0.0584 | 0.1168 | -0.2604 | -0.1692 | -0.1787 | 0.0634 | -0.0500 | 0.1442 | -0.1191 |
| z | 0.0229 | 0.0413 | -0.0095 | 0.0106 | 0.1011 | 0.1526 | -0.0148 | 0.1832 | -0.0166 |
| Sn x | -0.0430 | 0.0043 | 0.1376 | -0.0342 | -0.0333 | -0.1011 | 0.0335 | 0.0559 | 0.0040 |
| y | 0.1262 | -0.0050 | -0.1032 | 0.1228 | -0.1369 | 0.2077 | 0.0397 | 0.1114 | 0.0532 |
| z | -0.2296 | -0.0187 | -0.0148 | -0.0752 | 0.0054 | 0.0364 | -0.0849 | 0.0239 | -0.0592 |
| Sn x | 0.0735 | 0.1467 | -0.0721 | -0.0548 | -0.1149 | -0.0091 | -0.1576 | 0.0234 | -0.0333 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| y | -0.1459 | -0.0310 | 0.0454 | 0.0220 | -0.0960 | -0.0311 | 0.0700 | -0.0554 | -0.1645 |
| z | -0.1133 | 0.0154 | -0.0990 | -0.0082 | 0.0146 | 0.0699 | -0.0637 | 0.1274 | 0.0403 |
| Ag x | -0.1193 | 0.2164 | -0.0885 | -0.2218 | 0.3351 | 0.1082 | -0.0130 | -0.1275 | 0.1707 |
| y | -0.1974 | 0.1468 | -0.1014 | -0.2550 | 0.1135 | -0.0669 | 0.0176 | -0.0695 | 0.0704 |
| z | -0.0185 | -0.0156 | -0.0360 | 0.0977 | -0.1562 | -0.0721 | -0.0365 | -0.0055 | -0.0317 |
| Ag x | -0.0146 | -0.1949 | -0.0668 | 0.2196 | 0.0258 | 0.2335 | -0.0667 | -0.1434 | 0.0766 |
| y | 0.0568 | -0.0099 | -0.0521 | 0.0797 | 0.1786 | -0.0746 | 0.0371 | 0.2537 | 0.1141 |
| z | 0.1364 | 0.0457 | -0.0082 | -0.0320 | 0.0637 | -0.0379 | 0.1066 | 0.1112 | 0.0051 |
| Sn x | 0.2243 | -0.0843 | 0.0278 | 0.0394 | 0.0499 | -0.0258 | -0.1620 | 0.0913 | 0.0108 |
| y | 0.0740 | -0.0404 | 0.1628 | -0.1356 | 0.0243 | -0.1497 | 0.0844 | 0.0590 | -0.0975 |
| z | 0.0057 | -0.0168 | 0.1190 | -0.0257 | 0.0203 | -0.0560 | 0.1196 | 0.1986 | -0.2215 |
| Ag x | 0.0787 | 0.0306 | -0.1462 | -0.0505 | -0.1493 | 0.0933 | 0.1448 | -0.2585 | 0.2724 |
| y | -0.1618 | -0.1774 | 0.0980 | -0.0662 | -0.0994 | -0.0077 | -0.0081 | -0.0525 | 0.1732 |
| z | -0.0864 | -0.1380 | 0.2028 | 0.0052 | -0.1075 | 0.1093 | 0.0681 | -0.1216 | -0.2746 |
| Sn x | 0.1383 | 0.0866 | 0.0071 | 0.0075 | -0.1487 | 0.0331 | 0.1026 | -0.0232 | 0.1010 |
| y | 0.0124 | -0.0291 | 0.1724 | -0.0285 | 0.0405 | -0.0254 | -0.0404 | 0.1258 | -0.0150 |
| z | 0.1566 | 0.1194 | -0.1278 | -0.1395 | -0.0893 | -0.0346 | 0.1772 | -0.0600 | 0.0989 |
| Ag x | -0.0840 | 0.0595 | 0.0386 | -0.0884 | -0.0768 | 0.0445 | -0.1618 | -0.0035 | 0.0181 |
| y | -0.0586 | -0.0569 | -0.0887 | 0.1232 | 0.2342 | 0.0344 | -0.1526 | -0.1104 | -0.0696 |
| z | -0.0218 | -0.2780 | -0.0036 | 0.0076 | -0.1356 | 0.1589 | 0.2908 | 0.1067 | 0.0426 |
| Sn x | -0.0358 | 0.0283 | 0.0629 | -0.0139 | 0.0039 | -0.0524 | -0.0414 | 0.0265 | 0.0300 |
| y | 0.0721 | -0.0440 | -0.1683 | -0.0997 | -0.0581 | 0.1111 | 0.0737 | 0.2206 | -0.0222 |
| z | -0.0069 | 0.1193 | -0.1623 | -0.0067 | -0.1214 | 0.0642 | -0.1625 | 0.0430 | -0.1083 |
| Sn x | 0.1058 | 0.0280 | 0.0436 | 0.0724 | 0.1485 | -0.0129 | 0.1148 | -0.0599 | -0.0336 |
| y | 0.0480 | -0.0838 | 0.0907 | -0.1667 | 0.0361 | -0.1116 | 0.1255 | -0.0843 | -0.0357 |
| z | -0.1410 | 0.1654 | 0.1039 | 0.0394 | -0.0676 | 0.2286 | -0.1647 | 0.0330 | 0.0748 |
| Ag x | 0.0761 | 0.0302 | 0.0581 | -0.2552 | 0.1030 | 0.2422 | 0.0444 | -0.0664 | -0.1090 |
| y | -0.0090 | 0.0593 | -0.2526 | 0.1773 | -0.2082 | -0.1863 | -0.1632 | -0.1867 | -0.0646 |
| z | 0.0481 | 0.0225 | 0.1809 | 0.2545 | 0.1164 | -0.0123 | 0.0468 | -0.1213 | -0.0446 |
| Ag x | 0.0909 | 0.2007 | 0.2591 | 0.0693 | -0.1755 | 0.0692 | 0.0808 | -0.0587 | -0.0019 |
| y | -0.0875 | -0.2797 | -0.2756 | 0.2134 | 0.2424 | 0.0735 | 0.0992 | 0.0192 | -0.0957 |
| z | 0.1254 | 0.0601 | 0.2469 | 0.1904 | 0.1261 | 0.1081 | 0.0393 | -0.2439 | -0.1430 |
| Sn x | -0.0616 | 0.0933 | -0.0694 | 0.1261 | -0.1099 | -0.0098 | 0.1289 | 0.0985 | -0.0322 |
| y | 0.0546 | 0.0617 | 0.1597 | 0.0222 | 0.0267 | 0.0025 | -0.1060 | 0.1582 | 0.0511 |
| z | -0.0149 | 0.0109 | 0.0612 | -0.1693 | -0.1203 | -0.0907 | -0.0545 | 0.0943 | -0.1425 |

25: 53.4 26: 53.8 27: 55.5 28: 57.6 29: 59.7 30: 61.4 31: 62.9 32: 65.4 33: 67.3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.0844 | 0.0012 | -0.1499 | -0.3069 | 0.0197 | 0.1440 | 0.1685 | -0.0016 | -0.1309 |
| y | 0.0432 | 0.0641 | 0.1020 | -0.0742 | 0.0921 | -0.1577 | -0.0585 | -0.1662 | -0.0187 |
| z | 0.0593 | 0.0748 | -0.0222 | -0.1006 | -0.0278 | -0.0232 | 0.1281 | -0.0807 | -0.1616 |
| Sn x | -0.1206 | 0.0144 | 0.1328 | -0.1057 | 0.0302 | 0.1244 | 0.1710 | 0.0663 | 0.2000 |
| y | -0.0770 | 0.0894 | 0.0498 | 0.0555 | -0.1078 | -0.2204 | -0.0949 | 0.1806 | -0.0649 |
| z | -0.1013 | -0.0508 | 0.1030 | -0.1064 | 0.1102 | 0.1084 | 0.1085 | 0.2059 | 0.2145 |
| Sn x | 0.0209 | 0.0166 | -0.1041 | 0.0097 | 0.0269 | -0.0374 | 0.0214 | 0.1358 | -0.0203 |
| y | 0.0722 | -0.0815 | 0.1367 | 0.0161 | -0.0320 | -0.0128 | 0.0464 | -0.3969 | 0.0667 |
| z | 0.0315 | -0.0380 | 0.0211 | -0.0708 | -0.0311 | -0.0265 | -0.0706 | 0.0490 | 0.0744 |
| Ag x | 0.1590 | -0.0317 | 0.3528 | -0.0905 | 0.0403 | 0.1480 | -0.0994 | 0.1438 | 0.0172 |
| y | 0.0686 | 0.0684 | -0.0197 | 0.1693 | 0.1555 | -0.0252 | -0.0402 | 0.1276 | 0.1827 |
| z | 0.0157 | 0.0566 | -0.1763 | 0.0069 | 0.0439 | -0.0583 | 0.0107 | -0.0982 | 0.1584 |
| Ag x | -0.0149 | 0.1853 | 0.0721 | 0.0929 | 0.1376 | -0.1342 | 0.0131 | 0.0902 | 0.0461 |
| y | 0.1956 | -0.1297 | 0.1416 | -0.0919 | 0.0914 | 0.0516 | 0.0602 | 0.0909 | -0.2749 |
| z | -0.2067 | -0.2944 | -0.0848 | -0.0233 | -0.0723 | -0.0470 | -0.1120 | -0.0849 | 0.1199 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Ag x | 0.0834 | 0.1277 | 0.0433 | 0.1043 | 0.0623 | 0.0659 | 0.0849 | -0.2090 | 0.0145 |
| y | 0.0188 | -0.0828 | 0.1165 | -0.0319 | -0.3104 | 0.0881 | -0.1411 | 0.1285 | -0.0683 |
| z | 0.0576 | -0.1292 | -0.0969 | 0.1306 | 0.1113 | 0.0470 | 0.1830 | -0.0961 | -0.1020 |
| Ag x | 0.0670 | 0.0763 | 0.0294 | -0.0376 | 0.0762 | -0.0424 | 0.1956 | -0.2022 | 0.0479 |
| y | -0.3112 | 0.1113 | -0.0501 | -0.0040 | 0.1544 | -0.2553 | 0.2980 | -0.0766 | -0.1657 |
| z | 0.0252 | 0.0551 | 0.0138 | -0.0709 | -0.2117 | -0.0327 | 0.0180 | 0.1494 | 0.0287 |
| Ag x | -0.3509 | -0.0169 | -0.0986 | 0.1001 | 0.0475 | -0.0448 | -0.1261 | 0.0689 | 0.1066 |
| y | 0.0040 | -0.0666 | -0.0108 | 0.0788 | 0.0014 | -0.0827 | 0.1371 | 0.0546 | 0.0570 |
| z | 0.2347 | -0.0999 | 0.0968 | 0.0653 | -0.0687 | -0.2583 | 0.1559 | 0.1923 | 0.0869 |
| Ag x | 0.0604 | 0.0759 | 0.0095 | -0.1395 | -0.1874 | -0.1269 | -0.0476 | -0.0409 | 0.0038 |
| y | -0.0105 | -0.0536 | 0.0293 | 0.0272 | -0.1392 | -0.0634 | -0.1726 | 0.1137 | -0.0415 |
| z | -0.1562 | -0.2786 | -0.0755 | -0.0252 | 0.0050 | -0.0241 | -0.0736 | -0.2711 | 0.1188 |
| Sn x | -0.1108 | -0.0941 | 0.2261 | 0.1517 | 0.1090 | 0.0029 | 0.0361 | -0.0958 | -0.1636 |
| y | 0.0565 | 0.0075 | 0.0688 | -0.0377 | 0.0644 | -0.0934 | 0.0222 | 0.0366 | 0.1062 |
| z | -0.0462 | 0.2074 | 0.0847 | -0.0194 | -0.0909 | 0.2457 | 0.1327 | -0.0208 | 0.0646 |
| Sn x | 0.0212 | -0.0657 | 0.0667 | -0.0274 | -0.0630 | 0.0892 | -0.0185 | 0.0821 | 0.0690 |
| y | 0.1152 | -0.0998 | -0.2446 | 0.0652 | 0.1211 | -0.0011 | -0.0307 | -0.1183 | -0.0161 |
| z | -0.0563 | 0.0719 | -0.0057 | -0.2046 | 0.0242 | -0.0563 | 0.0954 | 0.0964 | 0.1674 |
| Sn x | 0.0655 | -0.1334 | -0.0945 | -0.2172 | 0.1062 | -0.0955 | -0.0151 | -0.0061 | -0.0593 |
| y | -0.0780 | -0.0119 | 0.0460 | -0.0510 | -0.1789 | -0.0958 | 0.0020 | 0.0010 | -0.0667 |
| z | 0.0735 | 0.0780 | -0.1109 | 0.0965 | -0.0683 | -0.0659 | -0.1621 | -0.0460 | -0.0053 |
| Sn x | 0.1587 | -0.0669 | -0.1691 | 0.0129 | -0.1060 | -0.0294 | -0.1169 | -0.0233 | 0.0186 |
| y | -0.0470 | -0.0009 | -0.0345 | 0.0491 | -0.1012 | -0.1795 | 0.0742 | 0.0704 | 0.0830 |
| z | 0.0391 | 0.1220 | -0.0398 | 0.0968 | -0.0320 | -0.0668 | -0.1423 | -0.2064 | -0.2661 |
| Ag x | -0.1547 | -0.0998 | -0.1135 | 0.1871 | -0.1336 | 0.1072 | -0.0082 | 0.0888 | -0.1718 |
| y | -0.2961 | -0.2189 | -0.0188 | -0.1412 | 0.0406 | -0.0093 | -0.0376 | 0.1708 | -0.1232 |
| z | -0.0990 | 0.1686 | 0.2506 | 0.1734 | 0.0223 | -0.0079 | 0.0655 | 0.0170 | -0.1648 |
| Ag x | 0.0017 | -0.0264 | 0.1361 | 0.1286 | -0.1725 | -0.0177 | 0.0386 | -0.0545 | -0.0822 |
| y | -0.1427 | 0.2293 | 0.0182 | -0.0421 | -0.0483 | 0.1326 | -0.1996 | -0.0495 | 0.0208 |
| z | -0.0819 | 0.1601 | 0.1000 | 0.0762 | 0.2036 | -0.0996 | -0.3488 | 0.0755 | 0.1583 |
| Sn x | 0.1073 | -0.0385 | -0.0741 | 0.0064 | 0.0830 | 0.0044 | 0.0178 | 0.1173 | -0.1844 |
| y | -0.1180 | 0.1541 | -0.0778 | -0.0067 | 0.2327 | 0.3257 | -0.2903 | -0.0938 | -0.2061 |
| z | -0.0958 | -0.0017 | -0.0975 | -0.0185 | -0.2037 | 0.1046 | -0.0469 | 0.1077 | 0.0062 |
| Ag x | 0.0144 | 0.2379 | -0.1188 | -0.1028 | 0.1586 | -0.2096 | -0.1207 | 0.0822 | 0.0335 |
| y | 0.1375 | 0.2025 | -0.2469 | -0.0739 | -0.0572 | -0.1119 | 0.1776 | 0.1346 | -0.0508 |
| z | -0.0449 | 0.0065 | -0.0741 | 0.0970 | -0.0735 | 0.0271 | 0.1200 | 0.0269 | -0.1618 |
| Sn x | -0.1378 | 0.0826 | -0.1186 | 0.0983 | 0.0108 | 0.1588 | 0.0305 | 0.0437 | 0.0619 |
| y | 0.0142 | -0.0317 | 0.0638 | 0.1206 | -0.1811 | 0.1837 | 0.1376 | 0.0279 | -0.0633 |
| z | 0.0782 | 0.0769 | 0.0245 | -0.0028 | 0.0236 | 0.1137 | 0.0470 | -0.0405 | -0.0297 |
| Ag x | -0.0146 | -0.1250 | 0.3276 | -0.0333 | 0.1353 | -0.1245 | -0.1062 | -0.0868 | -0.0031 |
| y | 0.0035 | -0.0573 | -0.0206 | -0.1271 | 0.0951 | 0.0208 | -0.0916 | -0.0354 | 0.0662 |
| z | 0.1100 | -0.2385 | 0.1586 | 0.2703 | 0.1337 | -0.0395 | -0.0557 | 0.1030 | -0.1055 |
| Sn x | 0.1141 | -0.0292 | -0.0463 | -0.0965 | -0.1245 | -0.0929 | -0.1935 | -0.0387 | -0.1593 |
| y | 0.2486 | -0.0552 | -0.0853 | -0.0955 | 0.0277 | 0.0356 | 0.0198 | -0.1004 | 0.1122 |
| z | -0.0746 | 0.1506 | -0.0483 | 0.2371 | 0.0093 | -0.0293 | 0.0605 | -0.0405 | -0.0580 |
| Sn x | 0.1203 | 0.1497 | -0.0035 | 0.1292 | -0.2454 | -0.0880 | -0.0668 | -0.1812 | 0.1336 |
| y | -0.1404 | -0.0651 | 0.1272 | -0.0032 | -0.0622 | -0.0518 | 0.0570 | -0.1968 | 0.2610 |
| z | 0.0492 | 0.1078 | 0.1287 | -0.2076 | 0.1947 | 0.0707 | 0.0796 | 0.0653 | -0.0568 |
| Ag x | 0.0788 | -0.2144 | -0.1907 | 0.3080 | 0.1494 | 0.0100 | 0.0831 | 0.1035 | 0.1536 |
| y | 0.1728 | 0.0815 | 0.0119 | 0.1013 | 0.0162 | 0.3336 | -0.0294 | -0.0221 | 0.2069 |
| z | 0.0738 | -0.0436 | -0.0449 | -0.1466 | 0.0291 | -0.0023 | -0.0971 | -0.0096 | -0.1337 |
| Ag x | 0.0245 | 0.0973 | -0.0581 | -0.0834 | -0.0889 | 0.0507 | -0.0413 | 0.0019 | 0.0794 |
| y | 0.0412 | -0.0846 | -0.0582 | -0.0563 | 0.2097 | 0.0079 | 0.0149 | 0.0578 | -0.0421 |
| z | 0.1543 | -0.1261 | -0.1629 | -0.0345 | 0.1093 | 0.1230 | -0.1457 | 0.0536 | 0.0341 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.1106 | -0.1093 | -0.0384 | -0.0681 | -0.0611 | 0.1229 | 0.0934 | -0.0851 | 0.0007 |
| y | 0.0236 | 0.0314 | -0.0495 | 0.1445 | -0.0739 | 0.1846 | 0.1385 | 0.0934 | 0.0288 |
| z | -0.0353 | -0.0711 | 0.0537 | -0.1946 | -0.1295 | -0.0198 | 0.0367 | -0.1444 | 0.0147 |

34: 68.0 35: 70.6 36: 70.8 37: 73.1 38: 73.8 39: 75.8 40: 78.5 41: 80.1 42: 80.7

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | 0.1126 | -0.1615 | 0.0935 | 0.0026 | 0.0314 | -0.1534 | -0.1275 | -0.2297 | 0.1021 |
| y | 0.0390 | -0.1728 | 0.1446 | -0.4189 | 0.0709 | 0.2132 | -0.0311 | 0.1312 | 0.0337 |
| z | 0.0471 | -0.0079 | 0.0178 | 0.0379 | 0.0881 | -0.0210 | -0.3872 | 0.1061 | 0.1575 |
| Sn x | 0.0272 | 0.1545 | -0.0280 | -0.1026 | 0.0864 | 0.0962 | -0.0961 | -0.1235 | -0.0376 |
| y | -0.0589 | 0.0899 | 0.1865 | 0.1817 | 0.2733 | 0.0577 | 0.2491 | 0.0864 | 0.3162 |
| z | 0.0391 | 0.1329 | 0.0756 | 0.0621 | 0.2609 | 0.1056 | 0.0041 | -0.0931 | 0.0066 |
| Sn x | -0.0619 | -0.1264 | -0.0069 | -0.0108 | -0.0523 | -0.0606 | -0.0370 | 0.0634 | 0.0665 |
| y | -0.1072 | 0.0258 | -0.2417 | -0.0240 | 0.0760 | -0.1691 | -0.0257 | -0.1930 | 0.1804 |
| z | 0.0818 | -0.0012 | -0.1592 | 0.1141 | 0.0071 | -0.2479 | 0.0745 | -0.2011 | 0.0875 |
| Ag x | -0.1571 | 0.0133 | -0.0380 | 0.1973 | -0.2042 | -0.0672 | -0.1905 | 0.0700 | 0.1479 |
| y | -0.1621 | 0.0876 | 0.0695 | 0.0554 | -0.2562 | 0.0385 | 0.1984 | -0.1503 | -0.0525 |
| z | 0.1365 | -0.0187 | 0.1937 | 0.1535 | -0.0209 | -0.0934 | 0.2441 | 0.1569 | -0.0354 |
| Ag x | 0.1540 | -0.1230 | -0.0762 | 0.0187 | -0.0520 | 0.1476 | -0.0240 | -0.1250 | -0.1287 |
| y | -0.0536 | 0.0133 | 0.1656 | 0.1011 | 0.0995 | -0.0507 | 0.2088 | -0.1094 | -0.0685 |
| z | -0.0459 | -0.0166 | 0.0469 | 0.1848 | -0.0171 | 0.3607 | -0.1349 | 0.0590 | -0.1393 |
| Ag x | -0.0518 | -0.0074 | -0.1028 | -0.0861 | 0.0914 | 0.0506 | 0.0016 | 0.0077 | 0.0380 |
| y | -0.1319 | -0.0852 | 0.0327 | -0.0285 | 0.1102 | 0.0411 | -0.1133 | -0.0211 | -0.0013 |
| z | -0.1197 | 0.2327 | 0.0340 | -0.1113 | 0.0450 | -0.1503 | -0.0429 | 0.1412 | 0.1899 |
| Ag x | 0.1782 | -0.0991 | -0.1145 | 0.1793 | 0.0494 | 0.2004 | 0.0911 | 0.1405 | 0.0529 |
| y | -0.0211 | 0.1697 | -0.0204 | -0.0282 | -0.1578 | -0.1397 | 0.0541 | -0.0418 | 0.0139 |
| z | -0.0848 | 0.0684 | -0.1169 | -0.1949 | -0.0376 | 0.1928 | 0.0146 | -0.0313 | -0.0551 |
| Ag x | -0.0373 | -0.0386 | 0.0137 | -0.1144 | -0.0739 | -0.1655 | -0.1795 | 0.0818 | 0.2370 |
| y | -0.0113 | -0.0403 | -0.0559 | -0.0217 | -0.0264 | 0.0240 | -0.0351 | -0.0117 | 0.0483 |
| z | 0.0450 | -0.1944 | -0.0217 | -0.0575 | -0.0279 | 0.1131 | -0.1552 | 0.0006 | 0.0612 |
| Ag x | 0.0958 | 0.2046 | 0.1824 | -0.0224 | 0.1296 | -0.0947 | -0.0204 | 0.0716 | -0.2400 |
| y | 0.4502 | 0.0218 | -0.1716 | -0.2012 | 0.0209 | -0.0832 | 0.0972 | -0.0623 | 0.1757 |
| z | 0.0265 | 0.0344 | -0.0178 | -0.0291 | 0.0659 | 0.1260 | 0.0508 | -0.0388 | 0.0525 |
| Sn x | 0.0419 | -0.1463 | -0.2014 | 0.1478 | 0.0794 | -0.1079 | -0.0297 | -0.0325 | -0.1978 |
| y | -0.1029 | 0.2591 | -0.0310 | -0.0270 | 0.1133 | -0.0968 | -0.1552 | 0.0737 | -0.1663 |
| z | -0.0443 | -0.1958 | 0.2032 | -0.0463 | -0.2823 | -0.0050 | 0.0811 | 0.1821 | -0.0094 |
| Sn x | 0.0260 | -0.0182 | 0.0425 | -0.0826 | 0.1700 | -0.1928 | -0.0208 | 0.2651 | -0.1182 |
| y | 0.1633 | -0.0727 | -0.0373 | -0.0925 | -0.0434 | 0.0287 | -0.0092 | 0.0073 | -0.1667 |
| z | -0.0411 | 0.2665 | -0.0213 | 0.0045 | -0.0624 | 0.0899 | 0.0511 | 0.0421 | 0.2657 |
| Sn x | -0.0005 | 0.1067 | -0.0037 | -0.0457 | -0.1732 | 0.0725 | 0.1264 | 0.0364 | 0.0237 |
| y | 0.0913 | -0.1023 | 0.0315 | 0.1870 | 0.0376 | -0.0196 | -0.0792 | 0.2405 | 0.0354 |
| z | -0.1478 | -0.0199 | -0.0451 | -0.1616 | -0.0772 | -0.1139 | 0.0056 | -0.1007 | -0.1256 |
| Sn x | -0.0527 | 0.0162 | -0.0127 | -0.0852 | -0.0102 | -0.1465 | -0.0990 | 0.0621 | -0.0654 |
| y | -0.0109 | -0.1467 | -0.1038 | 0.0178 | -0.1062 | -0.1021 | 0.1046 | -0.0920 | -0.0055 |
| z | -0.0434 | 0.0110 | 0.0475 | 0.1054 | -0.1013 | 0.1408 | -0.0898 | -0.1671 | 0.1586 |
| Ag x | 0.0187 | 0.1311 | -0.0902 | 0.1209 | -0.0933 | -0.1254 | -0.0137 | 0.1191 | 0.0415 |
| y | 0.1377 | 0.0375 | -0.1360 | 0.0252 | -0.0542 | 0.0970 | -0.0274 | -0.0447 | -0.2319 |
| z | 0.0856 | -0.2084 | 0.0762 | 0.0893 | 0.2113 | 0.0697 | 0.1023 | -0.0910 | -0.1091 |
| Ag x | -0.0570 | 0.2574 | 0.1597 | -0.1299 | 0.0388 | -0.0670 | 0.1233 | -0.1594 | -0.1765 |
| y | -0.2623 | -0.1079 | 0.0228 | -0.1601 | 0.1144 | -0.0743 | -0.0648 | -0.0697 | -0.0517 |
| z | 0.1605 | 0.0704 | 0.2321 | -0.0110 | -0.1660 | -0.1703 | -0.1363 | -0.1108 | -0.0646 |
| Sn x | 0.0392 | 0.0567 | 0.1265 | -0.0629 | 0.0072 | 0.1069 | 0.0172 | 0.0576 | 0.0117 |
| y | 0.0027 | 0.1455 | 0.0569 | 0.0359 | 0.1367 | 0.2180 | -0.0677 | 0.1039 | 0.0394 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| z | -0.1589 | -0.1559 | -0.2905 | -0.1158 | 0.1856 | -0.0360 | 0.2918 | 0.1162 | -0.0115 |
| Ag x | -0.0366 | -0.0473 | -0.1537 | -0.0634 | 0.1504 | 0.0105 | -0.0391 | 0.0340 | 0.0552 |
| y | -0.1446 | -0.0317 | -0.0391 | 0.1272 | -0.0030 | 0.0838 | -0.1287 | -0.0243 | -0.1252 |
| z | -0.0368 | 0.1442 | -0.0621 | 0.0458 | -0.0101 | 0.0731 | -0.0757 | 0.0083 | -0.0355 |
| Sn x | -0.1772 | -0.1274 | -0.1881 | 0.0280 | -0.0858 | 0.1291 | 0.1878 | 0.0418 | 0.0710 |
| y | 0.2314 | -0.0616 | 0.2123 | -0.1471 | -0.2681 | 0.0601 | -0.0140 | 0.0012 | 0.1085 |
| z | -0.1331 | 0.0361 | 0.0076 | 0.0111 | -0.0213 | 0.0214 | 0.1167 | 0.0146 | -0.0850 |
| Ag x | -0.1098 | -0.0901 | 0.0216 | 0.0417 | -0.1319 | -0.0288 | 0.1918 | 0.2240 | 0.0920 |
| y | 0.0495 | -0.1029 | 0.0049 | 0.1439 | 0.0068 | -0.0555 | 0.0227 | 0.0108 | 0.0768 |
| z | 0.0241 | 0.1171 | -0.1271 | -0.1915 | -0.0595 | 0.0931 | -0.0528 | 0.1228 | 0.0226 |
| Sn x | -0.1149 | -0.0103 | -0.0112 | 0.0681 | -0.1444 | 0.2091 | -0.0076 | -0.3051 | 0.1263 |
| y | -0.0201 | -0.0185 | 0.0381 | -0.0628 | 0.0300 | -0.0358 | 0.0638 | 0.1950 | 0.0154 |
| z | 0.1108 | -0.0350 | 0.0200 | 0.0259 | 0.0925 | -0.1535 | -0.0399 | 0.0865 | -0.0591 |
| Sn x | 0.1211 | 0.2312 | -0.0651 | 0.2172 | 0.0200 | 0.0909 | 0.0223 | 0.0083 | -0.1408 |
| y | -0.1537 | -0.0894 | 0.0427 | 0.0589 | -0.0841 | 0.0154 | -0.1874 | 0.0347 | -0.1497 |
| z | 0.0523 | -0.0135 | -0.1903 | -0.1613 | 0.0038 | -0.0147 | -0.0175 | -0.0807 | -0.1138 |
| Ag x | -0.1367 | -0.1716 | 0.2678 | -0.0149 | 0.2827 | 0.0166 | -0.0768 | -0.2277 | 0.1052 |
| y | 0.2218 | 0.1401 | -0.1740 | 0.0564 | 0.0402 | 0.0325 | 0.0412 | -0.1097 | 0.1443 |
| z | -0.0532 | -0.0064 | -0.0721 | 0.0173 | -0.1231 | -0.0994 | 0.0606 | 0.0996 | -0.1321 |
| Ag x | 0.1415 | -0.0011 | 0.0128 | 0.0208 | -0.0489 | 0.0270 | -0.0075 | 0.0510 | 0.0189 |
| y | -0.1500 | 0.0081 | -0.0030 | 0.1187 | -0.0006 | -0.0781 | 0.0645 | 0.0183 | -0.1171 |
| z | 0.1226 | -0.1616 | 0.0001 | 0.1450 | 0.0238 | -0.0891 | -0.0127 | -0.0068 | -0.1031 |
| Sn x | 0.0376 | -0.0022 | 0.1758 | -0.2146 | -0.0601 | 0.0479 | 0.2011 | -0.1179 | -0.0736 |
| y | 0.0002 | 0.0386 | -0.0085 | 0.1116 | -0.1347 | -0.0127 | -0.1506 | -0.0020 | -0.0603 |
| z | -0.0106 | -0.0754 | 0.1773 | 0.0854 | 0.0173 | -0.1719 | 0.0410 | -0.2003 | 0.0604 |

43: 84.0 44: 86.0 45: 87.7 46: 88.2 47: 89.9 48: 93.0 49: 94.2 50: 95.3 51: 97.4

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.0459 | 0.0337 | -0.0705 | -0.1336 | 0.1490 | 0.0808 | -0.2085 | -0.0711 | 0.0088 |
| y | -0.1261 | -0.1314 | 0.1103 | -0.0839 | 0.0409 | 0.0095 | -0.1642 | -0.0872 | -0.1848 |
| z | -0.1017 | -0.2571 | -0.0732 | -0.0148 | 0.0242 | -0.2740 | 0.0980 | 0.2724 | 0.0360 |
| Sn x | 0.0104 | 0.0174 | 0.0466 | 0.0493 | 0.1241 | -0.1220 | 0.0358 | -0.2210 | 0.0987 |
| y | -0.1172 | -0.0477 | -0.2268 | -0.1082 | -0.1447 | -0.0740 | -0.0161 | -0.0574 | 0.1588 |
| z | -0.0166 | -0.0720 | -0.0207 | 0.1192 | 0.0035 | -0.0845 | -0.0915 | -0.1158 | 0.1771 |
| Sn x | -0.0883 | -0.1865 | 0.0696 | -0.1090 | -0.1139 | -0.1122 | -0.1017 | -0.1425 | -0.0814 |
| y | -0.1904 | -0.1886 | -0.0501 | 0.1219 | -0.1080 | 0.2872 | 0.1407 | -0.0743 | 0.1253 |
| z | 0.1527 | 0.1714 | -0.1406 | -0.0460 | -0.0582 | -0.0432 | -0.1400 | -0.1100 | -0.3019 |
| Ag x | -0.0292 | -0.1003 | -0.1033 | -0.0294 | 0.1865 | 0.1155 | 0.2139 | -0.0664 | -0.0948 |
| y | -0.1044 | 0.0668 | -0.0039 | 0.0312 | -0.0287 | 0.1596 | 0.0068 | -0.0405 | -0.1628 |
| z | 0.0092 | -0.1403 | 0.1520 | 0.1172 | 0.1842 | -0.0345 | -0.0954 | -0.0368 | 0.0107 |
| Ag x | -0.1240 | 0.0742 | -0.1646 | 0.1152 | 0.1579 | 0.0202 | -0.1880 | 0.2404 | -0.0168 |
| y | -0.1124 | 0.0170 | 0.1080 | -0.1485 | 0.1191 | -0.0515 | 0.0787 | 0.0057 | -0.2206 |
| z | -0.0052 | -0.0039 | -0.1134 | -0.2138 | 0.0428 | -0.1418 | 0.2120 | -0.0472 | -0.1545 |
| Ag x | -0.0502 | 0.1025 | -0.0687 | -0.0540 | -0.0899 | 0.0236 | 0.0046 | -0.1158 | -0.0560 |
| y | 0.1041 | -0.0185 | 0.0407 | 0.1369 | -0.1247 | 0.0179 | -0.0241 | 0.0014 | 0.0094 |
| z | 0.2367 | -0.0049 | 0.0166 | 0.0228 | 0.0543 | -0.0352 | 0.0025 | -0.2141 | -0.1184 |
| Ag x | -0.1693 | 0.1227 | 0.1458 | 0.0113 | -0.0768 | 0.0202 | 0.2718 | -0.1619 | -0.2193 |
| y | -0.0556 | 0.1046 | -0.0708 | -0.0397 | 0.1581 | -0.1683 | -0.0109 | 0.0154 | 0.1609 |
| z | 0.0417 | 0.0616 | -0.0232 | -0.0022 | -0.1551 | 0.1763 | -0.1313 | 0.0208 | -0.0136 |
| Ag x | 0.1020 | -0.0276 | 0.1410 | 0.0996 | -0.1486 | 0.1259 | 0.0834 | -0.0899 | 0.1268 |
| y | 0.0986 | 0.0426 | 0.0500 | 0.0079 | 0.0250 | 0.0671 | -0.0341 | -0.0264 | -0.0075 |
| z | -0.0012 | 0.1250 | -0.0917 | 0.1497 | 0.0181 | 0.1654 | 0.0495 | 0.1391 | 0.1277 |
| Ag x | 0.1086 | 0.0273 | 0.2518 | -0.0597 | 0.0039 | 0.0460 | 0.0826 | -0.0884 | 0.1071 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| y | 0.2174 | 0.2023 | -0.0898 | 0.0249 | 0.0902 | -0.0702 | 0.1961 | 0.0527 | 0.0012 |
| z | -0.1573 | 0.1807 | -0.0340 | -0.1632 | 0.0089 | 0.1288 | 0.1080 | 0.1119 | 0.1202 |
| Sn x | 0.1707 | 0.0414 | 0.0994 | -0.1887 | -0.2685 | -0.0715 | 0.0076 | 0.1753 | 0.1625 |
| y | 0.0764 | 0.1598 | 0.2330 | 0.0194 | 0.0306 | -0.0381 | -0.0486 | 0.1978 | -0.0913 |
| z | 0.1645 | 0.1327 | 0.0813 | -0.1437 | 0.0057 | -0.0390 | 0.0147 | 0.0740 | 0.1396 |
| Sn x | -0.1355 | 0.1103 | -0.2116 | -0.0372 | -0.0722 | 0.0656 | -0.0897 | -0.0158 | -0.0380 |
| y | 0.2830 | -0.2934 | -0.1330 | 0.0133 | 0.0166 | 0.1476 | -0.0384 | 0.0104 | 0.1065 |
| z | 0.0144 | -0.0859 | 0.0186 | -0.0721 | -0.0440 | 0.1100 | 0.0200 | 0.2656 | -0.1509 |
| Sn x | 0.2442 | -0.2559 | -0.1245 | -0.1683 | -0.0926 | 0.1473 | 0.0856 | 0.1683 | -0.0772 |
| y | -0.0271 | 0.0124 | 0.1711 | 0.2987 | 0.0434 | 0.1523 | -0.0736 | -0.0755 | -0.0869 |
| z | -0.2276 | 0.1019 | -0.1713 | -0.0094 | 0.1173 | -0.2074 | 0.1710 | 0.0230 | 0.0695 |
| Sn x | -0.1896 | 0.1787 | -0.0585 | 0.1606 | 0.1232 | -0.1227 | 0.0211 | -0.1105 | -0.0191 |
| y | -0.0802 | -0.1205 | 0.1956 | -0.0977 | 0.0442 | -0.0878 | 0.0599 | -0.0209 | 0.0798 |
| z | 0.1029 | 0.1337 | 0.1703 | 0.0892 | 0.0707 | -0.0359 | -0.1215 | -0.1010 | -0.0393 |
| Ag x | -0.2179 | -0.0092 | 0.1238 | -0.1078 | -0.1187 | 0.0742 | -0.1153 | 0.1915 | -0.0776 |
| y | -0.1522 | -0.1233 | -0.0484 | 0.1222 | 0.0375 | -0.0257 | -0.0155 | -0.1909 | -0.0357 |
| z | 0.0797 | -0.0586 | -0.0238 | -0.1377 | -0.1103 | 0.0750 | 0.0542 | -0.0650 | -0.0168 |
| Ag x | 0.1202 | 0.0034 | -0.1265 | -0.0597 | 0.1693 | 0.1201 | 0.0980 | 0.0982 | -0.0689 |
| y | -0.0261 | -0.2168 | -0.1354 | -0.1416 | 0.1064 | -0.0411 | -0.0440 | 0.0781 | -0.0294 |
| z | -0.0918 | -0.0445 | 0.0938 | -0.0990 | -0.2345 | 0.0218 | 0.1442 | -0.1262 | 0.0429 |
| Sn x | -0.1402 | 0.0586 | 0.0290 | 0.0388 | 0.1316 | 0.0690 | 0.1607 | 0.1428 | 0.2650 |
| y | 0.0767 | 0.2070 | -0.0675 | 0.1599 | 0.0312 | 0.1204 | 0.0063 | 0.0683 | -0.0353 |
| z | 0.0606 | -0.0806 | 0.2413 | -0.0467 | 0.2407 | -0.0192 | 0.1549 | 0.0518 | -0.0282 |
| Ag x | 0.0641 | 0.0458 | 0.0589 | -0.0430 | -0.0379 | -0.0533 | 0.0761 | 0.0420 | -0.1471 |
| y | 0.0096 | 0.0906 | -0.0866 | -0.0470 | -0.1565 | 0.0808 | 0.1076 | -0.0543 | 0.0627 |
| z | 0.0747 | 0.1064 | -0.1103 | 0.0451 | -0.1372 | -0.0194 | -0.1160 | -0.0664 | 0.0583 |
| Sn x | 0.0440 | 0.0151 | -0.1702 | 0.0980 | 0.0121 | -0.0591 | -0.1045 | -0.0615 | -0.0339 |
| y | 0.0156 | -0.0922 | -0.1323 | 0.1081 | -0.0971 | -0.1807 | 0.1612 | -0.0365 | -0.1091 |
| z | -0.0898 | -0.0903 | 0.0620 | 0.1620 | 0.0167 | 0.1761 | 0.0716 | -0.0371 | 0.3033 |
| Ag x | 0.1614 | 0.0392 | -0.0995 | 0.1806 | 0.1164 | -0.1832 | -0.0901 | 0.0445 | 0.1498 |
| y | 0.0454 | 0.1135 | -0.0584 | -0.1633 | 0.2358 | 0.1569 | -0.0223 | -0.0809 | 0.1725 |
| z | -0.1732 | -0.0857 | 0.1123 | -0.1778 | 0.0834 | 0.0197 | -0.3664 | -0.0948 | 0.0145 |
| Sn x | 0.0816 | 0.0190 | 0.2720 | -0.0115 | -0.0008 | -0.1045 | -0.0919 | -0.0305 | 0.1212 |
| y | 0.0230 | 0.2128 | -0.1033 | -0.2240 | -0.2644 | -0.1282 | -0.1335 | -0.1053 | 0.1530 |
| z | -0.0320 | -0.0519 | -0.0662 | 0.0786 | 0.0949 | 0.1939 | 0.0550 | 0.0934 | -0.2213 |
| Sn x | 0.0991 | -0.2940 | -0.1680 | 0.0577 | 0.0427 | -0.1213 | -0.1487 | -0.1277 | 0.0285 |
| y | 0.1058 | 0.1153 | 0.0266 | 0.0196 | 0.0569 | -0.0990 | -0.1010 | 0.1627 | -0.1104 |
| z | 0.1042 | -0.0470 | 0.0374 | 0.0992 | -0.0562 | -0.0476 | 0.0639 | -0.1412 | -0.0072 |
| Ag x | 0.1598 | -0.0189 | 0.0429 | 0.0807 | 0.0401 | -0.0984 | 0.1115 | 0.0329 | -0.0747 |
| y | -0.1112 | -0.0515 | 0.1749 | -0.0226 | -0.0368 | -0.2716 | -0.0428 | 0.2408 | 0.0592 |
| z | -0.0465 | 0.0035 | -0.0776 | 0.1236 | -0.1295 | -0.1759 | 0.1446 | -0.0815 | -0.0442 |
| Ag x | -0.0233 | 0.0004 | 0.0179 | -0.0749 | 0.0501 | 0.1612 | -0.1131 | 0.0723 | -0.0112 |
| y | 0.0311 | -0.0818 | 0.0315 | 0.2456 | -0.1731 | -0.0811 | -0.0132 | 0.1721 | -0.0517 |
| z | -0.0286 | -0.0273 | 0.0055 | 0.0095 | 0.0081 | 0.0614 | -0.0825 | 0.0639 | 0.0913 |
| Sn x | -0.1479 | 0.0150 | 0.0775 | 0.1878 | -0.2753 | -0.0040 | 0.0192 | 0.1045 | -0.0703 |
| y | 0.0134 | 0.0281 | 0.0604 | -0.2327 | 0.1098 | 0.1075 | 0.0336 | -0.1475 | 0.0345 |
| z | -0.0728 | 0.0384 | -0.0495 | 0.0953 | -0.0656 | 0.0406 | -0.2230 | 0.1027 | -0.0893 |

52: 99.8 53: 103.3 54: 104.8 55: 109.3 56: 111.0 57: 112.3 58: 113.8 59: 116.8 60: 118.2

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|---|---|---|---|---|---|---|---|---|---|
| Sn x | 0.2301 | 0.0650 | 0.0925 | -0.2418 | 0.0422 | -0.1156 | 0.0338 | -0.0554 | 0.0469 |
| y | 0.0737 | -0.0252 | 0.0195 | -0.0308 | -0.1036 | 0.0107 | 0.0581 | 0.1037 | -0.0532 |
| z | -0.1683 | 0.0108 | 0.1967 | 0.2318 | -0.0742 | -0.0020 | 0.0271 | -0.0939 | -0.1100 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | 0.1639 | -0.1842 | 0.1158 | 0.1816 | 0.0404 | -0.0692 | -0.2275 | 0.1900 | -0.0188 |
| y | 0.0949 | 0.1206 | 0.0468 | 0.0819 | 0.1159 | -0.0317 | -0.0686 | 0.2179 | 0.0222 |
| z | -0.1822 | -0.2564 | 0.0473 | 0.0382 | 0.0375 | 0.0950 | 0.2179 | 0.1310 | 0.1743 |
| Sn x | -0.0853 | 0.0708 | -0.0209 | 0.1150 | 0.0990 | 0.2192 | -0.2155 | -0.1462 | 0.3191 |
| y | -0.0225 | -0.0051 | 0.0027 | -0.0145 | 0.0560 | 0.1197 | -0.0358 | -0.0397 | -0.0392 |
| z | 0.0347 | -0.0774 | -0.0773 | 0.1404 | -0.0692 | 0.1496 | 0.1500 | 0.1178 | -0.2439 |
| Ag x | -0.1384 | 0.0241 | 0.1373 | 0.0441 | -0.1460 | -0.0338 | 0.0306 | 0.1445 | 0.0853 |
| y | -0.0200 | 0.1029 | 0.3643 | 0.1177 | -0.2037 | -0.1229 | 0.0348 | -0.1053 | 0.0581 |
| z | 0.0095 | 0.1249 | 0.0694 | 0.0176 | -0.2051 | 0.1245 | -0.0291 | 0.0898 | 0.0185 |
| Ag x | -0.0403 | 0.0652 | 0.0154 | 0.2112 | 0.2261 | -0.1143 | -0.1890 | -0.0914 | 0.0490 |
| y | 0.0025 | -0.1099 | -0.2013 | 0.0887 | -0.0319 | 0.0349 | 0.0199 | -0.0090 | 0.0955 |
| z | -0.0510 | 0.0026 | -0.0271 | -0.2007 | 0.0392 | 0.0147 | -0.0186 | 0.0009 | 0.1671 |
| Ag x | -0.0520 | -0.0290 | -0.0310 | 0.0468 | 0.0283 | -0.1424 | 0.1575 | -0.1879 | 0.0771 |
| y | 0.2048 | -0.0686 | 0.0472 | -0.0204 | -0.0770 | 0.0645 | -0.0390 | -0.1597 | 0.0456 |
| z | -0.0781 | 0.0679 | -0.0601 | 0.0640 | 0.1035 | -0.2827 | 0.1465 | -0.0558 | 0.0610 |
| Ag x | 0.1565 | -0.1159 | -0.0845 | -0.1176 | -0.0595 | 0.0865 | 0.0375 | 0.0653 | 0.0951 |
| y | -0.0384 | 0.0285 | 0.1159 | -0.0654 | -0.0520 | 0.1428 | 0.0586 | -0.0133 | 0.0246 |
| z | -0.0561 | 0.0115 | 0.0332 | 0.0997 | 0.0677 | -0.1396 | 0.0373 | -0.0618 | -0.0168 |
| Ag x | 0.0887 | -0.0398 | 0.0175 | -0.0798 | -0.1268 | 0.1054 | 0.0744 | 0.0631 | -0.0470 |
| y | -0.0612 | -0.0056 | 0.1309 | -0.0421 | 0.0676 | 0.2009 | -0.1413 | -0.0334 | 0.1748 |
| z | 0.0734 | 0.0154 | 0.0375 | -0.0882 | -0.1587 | 0.2400 | 0.0346 | 0.1669 | -0.1089 |
| Ag x | -0.0207 | 0.2180 | -0.1117 | 0.1174 | -0.1691 | 0.2012 | -0.1170 | -0.0217 | -0.0995 |
| y | -0.0571 | -0.0263 | -0.0156 | -0.0647 | -0.1569 | -0.1785 | -0.1080 | -0.1173 | 0.3074 |
| z | -0.1258 | -0.0637 | -0.0399 | 0.3151 | 0.0006 | -0.0337 | -0.0509 | -0.1158 | -0.1090 |
| Sn x | 0.0651 | 0.2666 | 0.0570 | 0.0854 | 0.0181 | -0.0593 | 0.1330 | 0.2014 | 0.1201 |
| y | 0.0074 | -0.2515 | 0.0232 | -0.0132 | -0.1271 | -0.0514 | 0.0239 | -0.0218 | 0.1386 |
| z | 0.1038 | -0.0922 | 0.0039 | 0.1329 | 0.0535 | 0.0323 | 0.0723 | -0.0478 | 0.0336 |
| Sn x | -0.1882 | 0.0249 | 0.0349 | -0.1686 | -0.0002 | 0.0390 | -0.0920 | -0.1331 | -0.0725 |
| y | 0.0859 | -0.2282 | 0.0359 | 0.1333 | 0.0771 | 0.0895 | 0.0981 | 0.0416 | 0.1286 |
| z | 0.1058 | 0.2615 | -0.1653 | -0.0873 | 0.0309 | 0.0314 | 0.0015 | -0.2129 | -0.0440 |
| Sn x | 0.1775 | 0.0064 | -0.0033 | 0.0560 | -0.0368 | -0.0603 | -0.0691 | 0.1071 | -0.0004 |
| y | 0.0947 | 0.1741 | -0.1014 | 0.3227 | 0.1571 | -0.2235 | 0.1602 | -0.0036 | 0.0271 |
| z | 0.2697 | 0.1170 | -0.0374 | 0.0508 | -0.0656 | 0.1930 | 0.2913 | -0.0399 | 0.1748 |
| Sn x | 0.0002 | 0.1168 | -0.0488 | 0.0702 | 0.0768 | -0.0106 | 0.0791 | 0.0544 | 0.0644 |
| y | -0.1238 | -0.1026 | -0.1146 | -0.0379 | -0.0454 | -0.2271 | 0.0321 | 0.0767 | -0.1840 |
| z | -0.2531 | -0.0204 | 0.0517 | -0.0760 | 0.0281 | 0.0207 | -0.1958 | 0.1115 | -0.0305 |
| Ag x | 0.0133 | -0.1746 | 0.0591 | -0.0539 | -0.0301 | -0.0004 | -0.0636 | 0.1187 | 0.0390 |
| y | -0.0584 | 0.1525 | 0.0067 | -0.0902 | -0.0631 | 0.0057 | 0.0359 | -0.2167 | -0.1928 |
| z | 0.0187 | -0.0170 | 0.1234 | -0.0341 | -0.1791 | -0.0021 | 0.0989 | -0.2467 | -0.0608 |
| Ag x | -0.0979 | 0.0763 | 0.0301 | -0.0811 | 0.2476 | 0.1476 | -0.0024 | 0.1669 | -0.0839 |
| y | -0.0802 | -0.0662 | -0.2632 | 0.0580 | -0.2132 | -0.0559 | -0.0994 | 0.0734 | 0.0420 |
| z | -0.0064 | -0.0849 | -0.1271 | -0.0838 | 0.2294 | -0.1478 | 0.0495 | -0.0252 | -0.0355 |
| Sn x | 0.0461 | -0.1431 | -0.0378 | -0.1033 | -0.1689 | -0.3169 | 0.1597 | 0.0229 | -0.1882 |
| y | 0.1128 | 0.0939 | 0.1414 | -0.0444 | 0.0660 | 0.1773 | 0.0773 | 0.0830 | -0.0931 |
| z | -0.0585 | -0.0055 | 0.2365 | -0.1010 | 0.2502 | -0.0191 | 0.0823 | 0.0265 | -0.0714 |
| Ag x | -0.0289 | -0.0874 | 0.1431 | 0.0304 | 0.1631 | 0.0624 | 0.0353 | -0.0479 | 0.0427 |
| y | -0.0114 | -0.1064 | -0.2507 | -0.1181 | 0.2584 | -0.0039 | 0.0462 | 0.1277 | -0.0876 |
| z | 0.0416 | -0.0573 | -0.2771 | 0.0938 | -0.2457 | 0.0218 | -0.1221 | -0.0662 | 0.1407 |
| Sn x | -0.0535 | 0.0147 | -0.1901 | 0.0327 | -0.2345 | -0.0386 | 0.0117 | 0.1554 | -0.0894 |
| y | -0.1587 | 0.0650 | -0.0162 | -0.0619 | 0.1539 | 0.0427 | 0.0761 | 0.1198 | 0.0037 |
| z | 0.0188 | 0.1269 | -0.0539 | -0.2130 | 0.0294 | -0.1124 | -0.1982 | -0.0760 | 0.3110 |
| Ag x | 0.0105 | -0.2113 | -0.2033 | -0.0867 | 0.1774 | 0.1355 | -0.0375 | -0.2982 | -0.1595 |
| y | -0.0269 | 0.0427 | -0.1152 | 0.1274 | 0.0278 | -0.0011 | -0.1044 | 0.0406 | 0.0241 |
| z | 0.1716 | 0.0409 | -0.0673 | -0.0687 | 0.0803 | 0.0386 | 0.0338 | 0.1155 | -0.0198 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.1149 | -0.0421 | 0.0443 | -0.0408 | -0.0344 | 0.0336 | 0.0200 | -0.0676 | -0.0417 |
| y | -0.1793 | 0.0595 | 0.2429 | -0.1432 | -0.0853 | -0.0893 | -0.1079 | 0.0066 | -0.1285 |
| z | -0.0598 | -0.1772 | -0.0493 | -0.1307 | -0.0405 | -0.0238 | -0.3017 | 0.0628 | -0.1126 |
| Sn x | 0.0862 | -0.0392 | 0.1107 | -0.1030 | -0.0558 | -0.1327 | 0.1318 | -0.0799 | -0.0705 |
| y | 0.0476 | 0.1633 | -0.0162 | -0.1390 | 0.0239 | -0.1737 | -0.0536 | 0.1652 | 0.0209 |
| z | -0.0996 | 0.2904 | -0.0992 | -0.0600 | -0.0368 | -0.0211 | -0.0708 | 0.1048 | -0.1123 |
| Ag x | 0.1027 | 0.1611 | -0.0542 | -0.0199 | -0.0168 | -0.0735 | -0.1020 | -0.1602 | -0.1266 |
| y | 0.1559 | 0.0753 | -0.1373 | -0.0860 | 0.0494 | 0.0672 | -0.0825 | -0.0121 | -0.0937 |
| z | 0.2941 | -0.1397 | 0.1864 | 0.0741 | 0.0358 | -0.1008 | -0.3250 | 0.0072 | -0.1299 |
| Ag x | -0.2188 | -0.0096 | -0.0856 | -0.0916 | -0.0393 | 0.0916 | 0.2336 | -0.0869 | 0.0830 |
| y | -0.1502 | -0.0382 | -0.0218 | -0.0976 | -0.0042 | 0.0572 | 0.1317 | -0.0829 | 0.0105 |
| z | -0.1570 | 0.0460 | -0.0132 | 0.0385 | 0.0266 | 0.0008 | 0.0065 | 0.1105 | 0.0081 |
| Sn x | -0.1126 | -0.0394 | 0.0055 | 0.1935 | 0.0110 | 0.0674 | -0.0196 | 0.0710 | -0.0259 |
| y | 0.1012 | -0.0456 | 0.0603 | 0.1308 | 0.0918 | 0.1560 | -0.0239 | -0.2651 | -0.2325 |
| z | 0.1606 | -0.1268 | 0.1003 | -0.1428 | 0.0526 | -0.0897 | 0.0563 | -0.0068 | 0.1121 |

61: 120.6 62: 121.4 63: 122.6 64: 124.0 65: 124.2 66: 127.7 67: 131.5 68: 135.9 69: 137.6

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | 0.0806 | -0.0364 | 0.2311 | -0.0900 | 0.0349 | -0.0626 | 0.0867 | -0.0397 | 0.0191 |
| y | -0.1047 | 0.0698 | 0.0317 | -0.0452 | 0.1565 | 0.1700 | -0.0391 | 0.0424 | 0.0150 |
| z | -0.0319 | -0.0772 | 0.1058 | -0.1793 | -0.2152 | 0.0158 | -0.0369 | 0.1705 | -0.0764 |
| Sn x | 0.0274 | -0.0082 | -0.1346 | -0.0125 | -0.0892 | -0.0515 | 0.1976 | 0.2252 | -0.0107 |
| y | -0.0596 | -0.1100 | 0.0763 | 0.0788 | 0.0098 | -0.0272 | -0.0362 | 0.1032 | -0.0117 |
| z | 0.0829 | 0.0545 | 0.2370 | -0.0462 | 0.1083 | -0.0229 | -0.2398 | -0.1598 | 0.0421 |
| Sn x | 0.1960 | 0.0136 | -0.0133 | -0.1294 | -0.0900 | 0.1963 | 0.0173 | -0.0200 | 0.0467 |
| y | 0.0163 | 0.0857 | 0.0465 | 0.0492 | 0.2219 | -0.0694 | 0.1306 | 0.0748 | -0.1436 |
| z | -0.0664 | 0.0047 | 0.0226 | -0.0158 | 0.1082 | -0.0861 | 0.0694 | 0.0062 | -0.0689 |
| Ag x | -0.1081 | 0.0851 | -0.2058 | 0.0665 | 0.2264 | 0.1719 | -0.0608 | -0.0963 | 0.0575 |
| y | 0.0944 | -0.1803 | 0.2585 | -0.0316 | -0.1541 | -0.1371 | 0.0407 | 0.0641 | -0.0435 |
| z | -0.0474 | 0.0412 | -0.1728 | 0.0475 | 0.2344 | 0.0219 | -0.0453 | -0.0476 | -0.0144 |
| Ag x | -0.0248 | 0.0588 | -0.0245 | -0.0316 | 0.3211 | -0.0107 | -0.0257 | -0.0216 | -0.1036 |
| y | -0.0122 | -0.1300 | 0.0261 | -0.0501 | -0.1597 | -0.0034 | -0.0497 | -0.0195 | 0.0418 |
| z | 0.0617 | 0.0224 | 0.0476 | 0.0725 | 0.2434 | -0.0919 | 0.0933 | 0.2386 | -0.1056 |
| Ag x | 0.0810 | -0.1190 | -0.1001 | -0.1024 | 0.0543 | -0.1490 | -0.0581 | 0.1397 | -0.1063 |
| y | -0.0185 | -0.1782 | -0.2133 | -0.1891 | 0.0866 | -0.1231 | -0.3349 | -0.0662 | -0.3238 |
| z | 0.0360 | -0.0134 | -0.0512 | 0.0353 | 0.0689 | 0.0920 | -0.0298 | 0.0384 | 0.0353 |
| Ag x | -0.0370 | -0.0993 | 0.1294 | 0.0508 | -0.1784 | 0.0271 | -0.0232 | 0.0042 | -0.0114 |
| y | -0.0284 | -0.0406 | -0.1755 | -0.0493 | 0.1083 | 0.0010 | -0.0665 | 0.0115 | -0.0337 |
| z | 0.0648 | -0.0035 | 0.0658 | -0.0333 | -0.0424 | -0.0646 | 0.0381 | 0.0436 | -0.0084 |
| Ag x | 0.0150 | -0.0049 | 0.0210 | 0.0043 | -0.1398 | 0.0186 | 0.0178 | -0.0057 | 0.0438 |
| y | -0.5225 | 0.2083 | 0.1151 | 0.0003 | -0.1674 | -0.1967 | 0.0389 | -0.0561 | 0.0122 |
| z | 0.2316 | -0.0358 | 0.0406 | 0.0620 | -0.1058 | 0.1405 | 0.0757 | 0.0051 | 0.0897 |
| Ag x | 0.0470 | -0.0633 | 0.1993 | -0.1426 | 0.1940 | -0.1990 | 0.0601 | 0.0719 | -0.0765 |
| y | -0.0153 | 0.0517 | 0.0885 | 0.0065 | 0.0206 | 0.2173 | -0.1030 | 0.1982 | 0.0808 |
| z | -0.0014 | -0.0351 | 0.0469 | -0.1628 | -0.0709 | 0.0919 | -0.0331 | -0.3632 | 0.1767 |
| Sn x | -0.0801 | -0.0987 | 0.1380 | 0.1362 | -0.0002 | 0.1061 | -0.0202 | -0.1166 | -0.1630 |
| y | 0.0222 | 0.0756 | -0.0993 | -0.1263 | -0.0333 | 0.0964 | 0.3053 | -0.0859 | -0.1572 |
| z | -0.0298 | 0.0059 | 0.0784 | 0.1226 | -0.0123 | 0.1541 | 0.1075 | -0.0262 | -0.2200 |
| Sn x | -0.1526 | -0.3079 | -0.0217 | 0.0872 | 0.0401 | 0.0923 | 0.0919 | -0.0095 | 0.0104 |
| y | -0.1319 | -0.3484 | 0.0096 | 0.0010 | 0.1113 | 0.0329 | 0.0855 | 0.0323 | 0.1092 |
| z | -0.1645 | -0.2149 | -0.0771 | 0.0783 | 0.0204 | 0.0925 | 0.1427 | 0.0208 | -0.0318 |
| Sn x | 0.1795 | 0.3657 | 0.0070 | -0.0920 | -0.0831 | -0.1334 | -0.1788 | -0.0085 | -0.1626 |
| y | 0.0188 | 0.2088 | 0.0644 | -0.0100 | 0.0087 | -0.0323 | 0.1325 | 0.0258 | 0.2123 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| z | -0.0125 | 0.1054 | -0.0930 | -0.0849 | -0.0425 | -0.0879 | -0.0608 | 0.0375 | 0.1112 |
| Sn x | 0.0156 | 0.0889 | 0.0988 | 0.0578 | -0.0655 | 0.0289 | -0.0302 | -0.0233 | -0.1774 |
| y | 0.3831 | -0.1611 | -0.0140 | 0.0553 | 0.0945 | 0.1635 | -0.0278 | 0.0174 | -0.1246 |
| z | -0.0643 | 0.0568 | 0.1255 | 0.0800 | -0.0752 | 0.0344 | -0.0508 | -0.0497 | -0.2596 |
| Ag x | 0.0551 | 0.0608 | -0.0690 | -0.1530 | 0.1003 | -0.1441 | 0.0231 | 0.0684 | 0.2557 |
| y | -0.0234 | 0.1157 | -0.0434 | 0.1067 | -0.1626 | 0.1374 | 0.0918 | -0.1141 | -0.1838 |
| z | 0.0290 | 0.2398 | -0.2253 | -0.1364 | 0.0153 | -0.0189 | 0.1975 | 0.0248 | 0.1645 |
| Ag x | 0.0717 | 0.0677 | 0.0708 | -0.0321 | -0.0786 | 0.2033 | 0.0914 | 0.0291 | 0.0858 |
| y | -0.0186 | 0.0906 | 0.1794 | 0.2886 | -0.0901 | -0.0489 | 0.1280 | -0.0546 | 0.1063 |
| z | -0.1497 | 0.0216 | 0.0023 | -0.1540 | -0.0314 | 0.0201 | -0.0377 | 0.0328 | -0.0313 |
| Sn x | -0.2279 | 0.0233 | 0.0345 | 0.1511 | 0.0572 | -0.2146 | -0.0100 | -0.0076 | -0.0524 |
| y | 0.2459 | -0.0547 | -0.0356 | -0.0398 | 0.0046 | 0.1510 | 0.0131 | 0.0412 | 0.0173 |
| z | -0.0785 | 0.0206 | -0.0147 | -0.0331 | -0.0166 | -0.0656 | -0.0107 | -0.0185 | -0.0406 |
| Ag x | 0.1599 | -0.0201 | -0.1488 | 0.3715 | -0.0004 | -0.2204 | 0.0278 | -0.1869 | 0.0526 |
| y | -0.1342 | 0.0965 | -0.1179 | -0.1538 | 0.0189 | 0.1882 | -0.0208 | 0.0030 | 0.0118 |
| z | 0.0731 | 0.0202 | -0.0600 | 0.2877 | 0.0647 | -0.1096 | 0.0244 | -0.0849 | 0.0444 |
| Sn x | -0.1623 | -0.0069 | 0.0844 | -0.3594 | 0.0269 | 0.1199 | 0.0752 | 0.0765 | -0.0756 |
| y | 0.1216 | -0.0899 | -0.0656 | -0.0377 | 0.0346 | -0.3362 | 0.2654 | -0.3026 | -0.0165 |
| z | 0.0958 | 0.0003 | 0.0058 | -0.0359 | -0.0372 | 0.0361 | 0.0287 | -0.0418 | 0.0404 |
| Ag x | 0.1029 | 0.0420 | 0.1139 | -0.0299 | -0.0825 | -0.1316 | 0.0082 | 0.1461 | 0.0604 |
| y | 0.0344 | -0.0931 | -0.3321 | -0.0710 | -0.2584 | -0.1101 | -0.0199 | -0.1362 | -0.1082 |
| z | -0.0015 | -0.0366 | -0.0287 | 0.0288 | -0.0433 | -0.0347 | -0.0110 | -0.0351 | -0.0780 |
| Sn x | -0.0840 | -0.1779 | -0.0942 | -0.0158 | 0.0810 | 0.0224 | 0.1049 | 0.0328 | 0.3136 |
| y | 0.0716 | 0.2597 | -0.0554 | -0.0177 | 0.0242 | -0.0160 | 0.0039 | -0.0167 | 0.0698 |
| z | 0.0650 | -0.0428 | 0.0100 | -0.0509 | -0.0781 | -0.1055 | -0.1955 | -0.0153 | -0.0398 |
| Sn x | -0.0444 | -0.0167 | -0.0791 | 0.0622 | -0.2866 | 0.1125 | -0.0369 | -0.1314 | 0.0338 |
| y | 0.0002 | -0.1249 | -0.0423 | -0.0342 | -0.0780 | -0.1374 | -0.2423 | 0.0264 | 0.2695 |
| z | -0.0223 | -0.0866 | -0.0270 | -0.0493 | -0.0515 | -0.1356 | -0.2086 | 0.0270 | 0.2240 |
| Ag x | -0.0200 | 0.0709 | -0.0368 | -0.0006 | 0.0502 | 0.0764 | 0.0134 | -0.1308 | -0.0156 |
| y | 0.0190 | 0.1310 | 0.0142 | -0.0035 | 0.0306 | 0.0146 | 0.0111 | -0.0503 | 0.0159 |
| z | -0.0622 | -0.0827 | 0.1386 | -0.0117 | 0.1595 | 0.1265 | 0.0499 | -0.2475 | 0.1265 |
| Ag x | 0.0280 | 0.0461 | 0.0716 | -0.0316 | 0.0360 | 0.0096 | -0.1644 | -0.1784 | -0.0015 |
| y | 0.0114 | 0.0538 | 0.1391 | 0.0173 | 0.0656 | 0.0083 | -0.0173 | 0.0594 | 0.0307 |
| z | 0.0075 | -0.0066 | -0.1345 | 0.0680 | -0.1390 | -0.0974 | 0.1784 | 0.3863 | -0.0442 |
| Sn x | -0.1013 | 0.0422 | -0.2709 | 0.2340 | -0.1045 | 0.1152 | -0.2112 | 0.1749 | -0.0115 |
| y | 0.0017 | 0.0700 | 0.1421 | 0.2496 | 0.0760 | 0.0548 | -0.3036 | 0.1950 | 0.1358 |
| z | -0.0038 | 0.0479 | -0.0580 | 0.1157 | -0.0452 | 0.0984 | -0.0223 | 0.0578 | -0.0189 |

70: 142.5 71: 149.2 72: 152.0

| | | | |
|---|---|---|---|
| Sn x | -0.0991 | 0.0074 | -0.0297 |
| y | -0.1151 | 0.0054 | 0.0048 |
| z | 0.1883 | 0.0098 | 0.0060 |
| Sn x | -0.1576 | -0.0026 | -0.0444 |
| y | -0.1001 | 0.0276 | -0.0085 |
| z | 0.1249 | 0.0159 | 0.0401 |
| Sn x | -0.0482 | 0.0142 | 0.0065 |
| y | 0.1016 | 0.0500 | -0.0166 |
| z | 0.0273 | 0.0213 | -0.0052 |
| Ag x | -0.1543 | -0.0040 | 0.0412 |
| y | 0.0997 | 0.0168 | -0.0686 |
| z | -0.0957 | -0.0145 | 0.0858 |
| Ag x | 0.0731 | 0.0545 | -0.2616 |

| | | | |
|---|---|---|---|
| y | -0.1153 | -0.0270 | 0.1649 |
| z | 0.1530 | 0.0366 | 0.1284 |
| Ag x | -0.1499 | -0.0099 | 0.5506 |
| y | -0.1202 | 0.0013 | -0.2774 |
| z | 0.1026 | 0.1157 | -0.3662 |
| Ag x | 0.0927 | 0.0324 | -0.3678 |
| y | -0.0731 | -0.0078 | 0.0649 |
| z | -0.0024 | -0.0145 | 0.1161 |
| Ag x | -0.0278 | -0.0223 | 0.0722 |
| y | -0.0286 | -0.0189 | 0.0697 |
| z | 0.0063 | -0.0184 | 0.0762 |
| Ag x | 0.0518 | 0.0059 | -0.0287 |
| y | 0.0024 | -0.0080 | 0.0527 |
| z | -0.3975 | -0.0413 | -0.1143 |
| Sn x | -0.0335 | 0.1285 | 0.0335 |
| y | 0.0061 | 0.0498 | 0.0013 |
| z | -0.0334 | 0.1322 | 0.0267 |
| Sn x | 0.0166 | -0.0351 | -0.0072 |
| y | 0.0399 | -0.1689 | -0.0118 |
| z | -0.0175 | -0.1294 | -0.0101 |
| Sn x | -0.0666 | 0.0014 | 0.0092 |
| y | 0.0466 | 0.1071 | 0.1451 |
| z | 0.0032 | 0.1563 | -0.0928 |
| Sn x | -0.0266 | -0.3187 | -0.0049 |
| y | 0.0083 | -0.1400 | -0.0356 |
| z | -0.0596 | -0.3174 | 0.0170 |
| Ag x | 0.0765 | -0.2171 | -0.0688 |
| y | -0.0436 | 0.1507 | 0.0071 |
| z | 0.0984 | -0.3180 | -0.1030 |
| Ag x | 0.0623 | 0.0115 | -0.0320 |
| y | 0.0713 | 0.0009 | -0.0998 |
| z | 0.0109 | 0.0009 | -0.0189 |
| Sn x | 0.0276 | -0.0263 | -0.0042 |
| y | 0.0174 | 0.0062 | 0.0167 |
| z | 0.0066 | -0.0039 | 0.0039 |
| Ag x | -0.0699 | -0.0148 | -0.0099 |
| y | -0.0321 | -0.0027 | 0.0119 |
| z | -0.0386 | -0.0084 | -0.0049 |
| Sn x | 0.0362 | 0.0248 | -0.0026 |
| y | -0.0883 | 0.0208 | -0.0333 |
| z | -0.0282 | -0.0108 | -0.0005 |
| Ag x | -0.0145 | -0.0389 | -0.0404 |
| y | 0.4732 | -0.0105 | 0.0738 |
| z | 0.1132 | 0.0416 | 0.0291 |
| Sn x | 0.0678 | 0.4082 | -0.0127 |
| y | 0.0574 | 0.1473 | -0.0942 |
| z | -0.0855 | 0.4792 | 0.1064 |
| Sn x | -0.1035 | -0.0026 | 0.0243 |
| y | -0.0237 | -0.1387 | -0.0076 |
| z | -0.0057 | -0.0966 | -0.0151 |
| Ag x | 0.0720 | -0.0010 | 0.1066 |
| y | 0.0039 | -0.0109 | 0.0826 |
| z | 0.2048 | -0.0756 | 0.1992 |
| Ag x | 0.1625 | 0.0048 | 0.0276 |

| | | | |
|---|---|---|---|
| y | -0.1217 | -0.0025 | -0.0313 |
| z | -0.3211 | 0.0204 | -0.1282 |
| Sn x | 0.2207 | -0.0096 | 0.0426 |
| y | -0.0606 | -0.0443 | -0.0085 |
| z | 0.0383 | 0.0060 | 0.0196 |