$coordinates

| | | | |
|---|---|---|---|
| Sn | 0.81995180658675 | -0.28245836545764 | 4.46859591973948 |
| Sn | -0.85602988895757 | 0.39888935443930 | -7.92915040815284 |
| Sn | 1.50908456883986 | 4.42799539771867 | -4.07647518066551 |
| Ag | 3.57457120109224 | 2.12453798662336 | 0.39347222773487 |
| Ag | -1.61579120859601 | -0.16528151480253 | -1.25942859858318 |
| Ag | -6.72791393381750 | 1.63064900261952 | -0.03108857045285 |
| Ag | 3.70974283271233 | -3.50935034445743 | 1.03319646394720 |
| Ag | -5.62918233477336 | -0.35322465175214 | -5.34125842971770 |
| Ag | -1.76031116795780 | -4.38792675234381 | -4.74377725413568 |
| Sn | -1.10975370823735 | -5.87802226459749 | 0.57002938872590 |
| Sn | -4.40580138452175 | -2.01345917445922 | 3.32727483547181 |
| Sn | -4.13812961576614 | 4.76113789592543 | -4.00910088284550 |
| Sn | -1.81668524528230 | 4.62363668363778 | 1.80801873450594 |
| Ag | 2.90814302579940 | -1.26706474374879 | -4.12276743872206 |

$end

vibrational frequencies, intensities

| mode | au_amu | cm-1 | km/mol |
|---|---|---|---|
| 7 | 0.002678 | 13.8 | 0.05 |
| 8 | 0.004979 | 25.6 | 0.06 |
| 9 | 0.005377 | 27.6 | 0.02 |
| 10 | 0.006922 | 35.6 | 0.02 |
| 11 | 0.007385 | 38.0 | 0.05 |
| 12 | 0.007937 | 40.8 | 0.12 |
| 13 | 0.008548 | 43.9 | 0.06 |
| 14 | 0.009110 | 46.8 | 0.04 |
| 15 | 0.009308 | 47.8 | 0.07 |
| 16 | 0.010217 | 52.5 | 0.13 |
| 17 | 0.010742 | 55.2 | 0.01 |
| 18 | 0.011010 | 56.6 | 0.20 |
| 19 | 0.011367 | 58.4 | 0.06 |
| 20 | 0.012298 | 63.2 | 0.16 |
| 21 | 0.012950 | 66.6 | 0.23 |
| 22 | 0.013429 | 69.0 | 0.05 |
| 23 | 0.013575 | 69.8 | 0.04 |
| 24 | 0.014367 | 73.9 | 0.03 |
| 25 | 0.015181 | 78.0 | 0.15 |
| 26 | 0.015825 | 81.3 | 0.09 |
| 27 | 0.017342 | 89.1 | 0.05 |
| 28 | 0.017875 | 91.9 | 0.07 |
| 29 | 0.018833 | 96.8 | 0.10 |
| 30 | 0.019668 | 101.1 | 0.05 |
| 31 | 0.020079 | 103.2 | 0.12 |
| 32 | 0.021336 | 109.7 | 0.10 |
| 33 | 0.021496 | 110.5 | 0.10 |
| 34 | 0.022217 | 114.2 | 0.04 |
| 35 | 0.022641 | 116.4 | 0.03 |
| 36 | 0.023174 | 119.1 | 0.04 |
| 37 | 0.023898 | 122.8 | 0.05 |

| | | | |
|---|---|---|---|
| 38 | 0.024729 | 127.1 | 0.04 |
| 39 | 0.025276 | 129.9 | 0.12 |
| 40 | 0.027107 | 139.3 | 0.09 |
| 41 | 0.027713 | 142.5 | 0.23 |
| 42 | 0.028396 | 146.0 | 0.36 |

Frequencies (cm-1) and normal modes

| | 7: 13.8 | 8: 25.6 | 9: 27.6 | 10: 35.6 | 11: 38.0 | 12: 40.8 | 13: 43.9 | 14: 46.8 | 15: 47.8 |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.0069 | 0.2629 | 0.0252 | -0.0901 | -0.1697 | 0.0963 | -0.0169 | -0.1568 | -0.0137 |
| y | -0.0433 | 0.0117 | 0.3725 | 0.3436 | -0.0588 | 0.0030 | -0.0473 | 0.0955 | 0.1129 |
| z | -0.0273 | 0.0405 | -0.2405 | 0.1015 | -0.0898 | -0.0619 | -0.1255 | 0.0105 | 0.3308 |
| Sn x | -0.1162 | 0.1109 | 0.0964 | -0.0523 | -0.1663 | 0.0374 | 0.3510 | -0.0312 | -0.0729 |
| y | 0.1624 | -0.0098 | 0.2121 | -0.0692 | 0.1138 | -0.1469 | -0.0067 | 0.1199 | 0.3279 |
| z | -0.0048 | -0.0834 | 0.1429 | -0.1096 | 0.0449 | 0.0791 | -0.0707 | 0.0131 | -0.2506 |
| Sn x | -0.0372 | -0.0349 | -0.0867 | 0.1824 | 0.1995 | -0.0871 | -0.2022 | -0.1186 | 0.0278 |
| y | 0.1260 | 0.0350 | 0.0315 | -0.0921 | -0.0293 | -0.0343 | 0.2181 | 0.1009 | 0.0610 |
| z | 0.1565 | -0.0339 | 0.3096 | -0.2009 | 0.1149 | 0.1749 | 0.0209 | -0.1740 | 0.1751 |
| Ag x | 0.0803 | 0.0428 | 0.5382 | -0.0703 | 0.1451 | 0.1135 | -0.1125 | -0.0300 | -0.1327 |
| y | -0.0741 | 0.0181 | -0.2006 | 0.1137 | -0.0569 | -0.0372 | 0.0875 | -0.2253 | -0.3470 |
| z | 0.0449 | -0.1003 | -0.1427 | -0.0797 | 0.0608 | 0.0084 | -0.1228 | -0.3956 | -0.0079 |
| Ag x | 0.0657 | 0.0683 | 0.0104 | 0.2050 | 0.2010 | 0.0276 | -0.0158 | 0.0899 | -0.0667 |
| y | -0.0668 | 0.0157 | 0.0461 | -0.1023 | 0.0639 | -0.0060 | -0.0997 | 0.1089 | -0.1860 |
| z | 0.0493 | -0.0197 | 0.0382 | 0.0392 | 0.0793 | -0.1423 | 0.0442 | -0.1126 | -0.0079 |
| Ag x | 0.0793 | -0.1476 | -0.0629 | 0.1957 | -0.0491 | 0.1167 | 0.1986 | -0.1318 | 0.1835 |
| y | 0.1967 | -0.3277 | -0.2035 | -0.1000 | -0.0834 | 0.5145 | 0.1886 | 0.1289 | 0.0314 |
| z | 0.0964 | -0.2504 | -0.0213 | 0.2255 | -0.2613 | 0.1014 | 0.2348 | -0.0123 | -0.0023 |
| Ag x | -0.2538 | -0.1547 | -0.0683 | -0.3443 | 0.0704 | 0.1450 | -0.1029 | 0.0130 | 0.0793 |
| y | -0.1271 | -0.1047 | -0.1393 | 0.1337 | 0.1654 | 0.0074 | -0.0077 | 0.0196 | 0.1335 |
| z | -0.1512 | -0.1741 | 0.1440 | 0.1352 | -0.2755 | -0.0477 | -0.2089 | 0.2741 | 0.2319 |
| Ag x | 0.0921 | 0.0908 | -0.0043 | 0.0706 | -0.0065 | -0.0608 | 0.3407 | 0.1421 | 0.0139 |
| y | -0.3667 | 0.0585 | -0.0067 | 0.1278 | -0.0203 | -0.0803 | 0.1576 | -0.0637 | -0.0680 |
| z | 0.2697 | -0.2196 | -0.0228 | 0.2074 | 0.2040 | 0.0069 | -0.2208 | 0.1056 | -0.2751 |
| Ag x | 0.4109 | 0.0777 | -0.1064 | 0.0018 | -0.1781 | -0.0641 | -0.1104 | 0.2689 | -0.0881 |
| y | -0.0660 | 0.0160 | 0.0202 | 0.0216 | -0.0561 | -0.0844 | -0.1783 | -0.0899 | 0.0013 |
| z | -0.0528 | 0.0646 | -0.0106 | -0.1345 | 0.3782 | -0.0990 | 0.3010 | 0.0527 | -0.0654 |
| Sn x | -0.3293 | -0.2941 | -0.0350 | -0.1270 | 0.1604 | 0.0864 | -0.0277 | 0.0386 | 0.1373 |
| y | -0.0598 | 0.0803 | -0.0362 | -0.1603 | -0.0877 | 0.1057 | -0.2753 | 0.0059 | 0.0890 |
| z | 0.0380 | 0.1882 | -0.0920 | -0.1727 | 0.2796 | -0.0763 | 0.2000 | 0.0797 | 0.1396 |
| Sn x | -0.0682 | 0.1000 | 0.0851 | 0.0837 | -0.1835 | 0.0434 | -0.0074 | -0.1388 | 0.0627 |
| y | 0.0863 | 0.3850 | -0.0881 | -0.2043 | -0.0644 | 0.1777 | -0.1625 | 0.0418 | 0.0191 |
| z | 0.0494 | 0.2409 | 0.0395 | 0.0753 | -0.1927 | -0.0815 | 0.0539 | -0.3137 | 0.1904 |
| Sn x | -0.0743 | 0.0059 | -0.1453 | 0.2202 | 0.1971 | -0.0181 | -0.1736 | -0.1255 | 0.0408 |
| y | -0.1549 | -0.0190 | 0.0162 | 0.0715 | 0.0770 | -0.0466 | 0.1187 | 0.0533 | -0.0889 |
| z | -0.1974 | 0.1862 | -0.0493 | 0.0550 | -0.0544 | -0.1975 | 0.0025 | 0.3526 | -0.1538 |
| Sn x | 0.0919 | -0.1901 | -0.1725 | -0.3418 | -0.1854 | -0.4877 | -0.0407 | 0.1294 | 0.0564 |
| y | 0.0886 | -0.2409 | 0.1108 | -0.0670 | -0.0195 | -0.2720 | 0.0547 | -0.0715 | -0.1093 |
| z | -0.1087 | 0.2496 | -0.1832 | 0.0543 | 0.0288 | 0.3302 | -0.0674 | 0.2363 | -0.0220 |
| Ag x | 0.0922 | 0.0639 | -0.0625 | 0.0725 | -0.0278 | 0.0676 | -0.0746 | 0.0706 | -0.2392 |
| y | 0.2885 | 0.0697 | -0.1653 | -0.0080 | 0.0597 | -0.0901 | -0.0428 | -0.2412 | 0.0030 |
| z | -0.1574 | -0.1270 | 0.0917 | -0.1863 | -0.3232 | -0.0030 | -0.0417 | -0.1264 | -0.3028 |

16: 52.5 17: 55.2 18: 56.6 19: 58.4 20: 63.2 21: 66.6 22: 69.0 23: 69.8 24: 73.9

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.0866 | -0.0463 | 0.1048 | -0.1826 | 0.0054 | 0.1288 | 0.0067 | -0.1455 | 0.0641 |
| y | 0.0511 | -0.0665 | -0.1678 | -0.0849 | -0.0213 | -0.0526 | 0.0881 | -0.1272 | -0.0450 |
| z | -0.2201 | -0.0313 | -0.0567 | 0.0640 | -0.0635 | 0.0523 | 0.1234 | -0.2463 | 0.0745 |
| Sn x | 0.0039 | -0.1499 | 0.0439 | 0.1761 | 0.0706 | -0.0591 | 0.1635 | 0.0863 | 0.1835 |
| y | 0.0151 | -0.2062 | 0.1894 | -0.2704 | 0.0835 | -0.1110 | -0.3763 | 0.0053 | 0.2281 |
| z | -0.1554 | -0.1564 | -0.0131 | -0.1824 | -0.1127 | -0.3854 | 0.0679 | 0.0953 | -0.1523 |
| Sn x | 0.1474 | -0.1118 | 0.0133 | -0.2160 | 0.2300 | -0.1349 | 0.1081 | 0.0590 | 0.0516 |
| y | -0.2247 | -0.1092 | 0.0729 | -0.2074 | -0.0147 | -0.0744 | 0.3332 | 0.3312 | -0.0698 |
| z | 0.0249 | -0.0987 | -0.0752 | 0.1253 | -0.1410 | -0.0674 | 0.1179 | -0.1521 | -0.1106 |
| Ag x | 0.1560 | 0.0746 | -0.4016 | 0.1007 | 0.0008 | 0.2378 | -0.0986 | 0.0968 | 0.0121 |
| y | 0.0108 | -0.2998 | -0.0916 | -0.1385 | -0.0431 | 0.1434 | -0.3318 | 0.1103 | 0.0175 |
| z | -0.0291 | -0.0661 | -0.0640 | 0.0861 | -0.1149 | 0.0519 | -0.0618 | -0.3468 | 0.0619 |
| Ag x | -0.3985 | 0.0082 | 0.0670 | 0.2510 | -0.1914 | 0.0248 | -0.1734 | 0.0581 | 0.0641 |
| y | -0.2189 | 0.0604 | 0.0775 | 0.1262 | 0.4515 | 0.0601 | 0.1405 | -0.2046 | -0.1233 |
| z | 0.0211 | 0.0494 | 0.1203 | 0.1791 | 0.0869 | 0.2710 | -0.1657 | 0.1289 | -0.0316 |
| Ag x | -0.2461 | 0.0542 | 0.0098 | 0.0413 | -0.1133 | -0.0686 | -0.2580 | 0.1589 | -0.4041 |
| y | 0.0562 | 0.0307 | -0.1012 | -0.0804 | 0.0104 | 0.1240 | -0.1048 | -0.0620 | 0.1191 |
| z | 0.1671 | 0.0687 | -0.0973 | 0.1173 | 0.2638 | -0.2565 | 0.1079 | -0.0243 | 0.2748 |
| Ag x | 0.1615 | 0.1160 | 0.2409 | 0.0664 | -0.0491 | -0.0400 | -0.0003 | 0.1453 | 0.0177 |
| y | 0.1333 | -0.2579 | -0.3155 | 0.1776 | -0.0485 | -0.0857 | -0.0542 | -0.0155 | -0.0232 |
| z | -0.1475 | 0.1700 | 0.0348 | -0.1533 | -0.0925 | 0.2566 | 0.0158 | 0.1946 | 0.0496 |
| Ag x | 0.1938 | -0.1690 | 0.2183 | 0.1837 | 0.0066 | 0.3281 | 0.1051 | -0.0424 | 0.0944 |
| y | 0.1079 | 0.3224 | -0.0173 | -0.0063 | -0.2605 | -0.0966 | 0.0458 | -0.0846 | -0.0456 |
| z | 0.0719 | -0.1027 | 0.3598 | 0.0281 | -0.2187 | 0.1462 | 0.1868 | 0.0637 | 0.1453 |
| Ag x | 0.3037 | 0.2765 | 0.0400 | -0.1021 | 0.0748 | -0.1285 | -0.1825 | -0.2566 | -0.2859 |
| y | -0.1709 | 0.2979 | 0.0374 | 0.1808 | 0.2514 | 0.0061 | -0.2621 | 0.0981 | 0.2946 |
| z | -0.1654 | 0.1878 | -0.0521 | -0.1457 | 0.2286 | 0.0304 | 0.0527 | -0.0902 | 0.0255 |
| Sn x | 0.0663 | 0.0610 | 0.0243 | -0.0572 | -0.0106 | 0.0465 | 0.0406 | -0.0823 | 0.0476 |
| y | 0.1462 | -0.0545 | 0.1178 | 0.3601 | 0.0247 | -0.1273 | 0.1116 | 0.1786 | -0.1055 |
| z | 0.0997 | 0.1813 | -0.0444 | -0.1028 | -0.0694 | -0.1564 | -0.1884 | 0.0471 | 0.0965 |
| Sn x | -0.1861 | -0.0325 | 0.0415 | -0.2057 | 0.0117 | 0.0432 | 0.1134 | -0.3299 | 0.0378 |
| y | -0.0030 | -0.1264 | 0.0721 | -0.0258 | -0.1882 | -0.0121 | 0.0036 | -0.0757 | 0.1837 |
| z | 0.2042 | 0.0506 | 0.1661 | 0.1144 | 0.0403 | -0.1105 | -0.0435 | 0.2265 | -0.1508 |
| Sn x | 0.1664 | -0.0930 | 0.0140 | -0.1993 | 0.1931 | -0.0613 | 0.1071 | 0.1220 | -0.0479 |
| y | 0.1395 | 0.1637 | 0.1839 | -0.0918 | -0.3034 | 0.0970 | 0.0289 | -0.1429 | -0.2253 |
| z | 0.1727 | -0.1305 | -0.1653 | 0.0888 | -0.0976 | -0.0433 | -0.0349 | -0.0855 | 0.0881 |
| Sn x | -0.0874 | -0.1680 | -0.3235 | 0.0589 | -0.0953 | 0.0588 | 0.0350 | 0.0751 | -0.0708 |
| y | -0.0820 | -0.0562 | 0.1834 | 0.1888 | 0.1287 | -0.0877 | 0.0192 | -0.2076 | -0.2332 |
| z | -0.0834 | -0.1070 | -0.1212 | 0.0223 | 0.2578 | 0.1567 | -0.0407 | 0.0958 | -0.3539 |
| Ag x | -0.1956 | 0.2065 | -0.0888 | 0.1154 | -0.1532 | -0.3765 | 0.0051 | 0.0657 | 0.2227 |
| y | 0.0373 | 0.3238 | -0.2728 | -0.1214 | -0.0560 | 0.2348 | 0.3482 | 0.1986 | 0.0409 |
| z | 0.0372 | -0.0008 | 0.0236 | -0.2475 | 0.0420 | 0.0817 | -0.1375 | 0.0942 | 0.0077 |

25: 78.0 26: 81.3 27: 89.1 28: 91.9 29: 96.8 30: 101.1 31: 103.2 32: 109.7 33: 110.5

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.0598 | 0.0033 | 0.1252 | 0.0043 | 0.1140 | 0.1782 | -0.0560 | 0.3664 | -0.0261 |
| y | -0.0483 | 0.2705 | -0.2381 | -0.2157 | -0.1490 | -0.4197 | 0.0369 | 0.0564 | -0.0320 |
| z | -0.2215 | -0.0165 | -0.0327 | 0.3258 | -0.0207 | -0.0912 | 0.0917 | 0.2331 | 0.2052 |
| Sn x | -0.1713 | 0.0105 | -0.0097 | -0.0997 | -0.0721 | 0.0742 | -0.0255 | -0.0309 | -0.0652 |
| y | 0.0814 | -0.0987 | -0.2091 | 0.0137 | 0.1240 | 0.0284 | 0.2316 | 0.0559 | -0.0902 |
| z | -0.1457 | 0.1145 | -0.0019 | 0.1339 | 0.2719 | -0.0179 | 0.1485 | 0.0183 | 0.0808 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | 0.0964 | 0.0186 | 0.0543 | 0.1064 | -0.0197 | -0.0050 | 0.0078 | -0.0351 | 0.1295 |
| y | -0.0685 | -0.0037 | 0.3157 | 0.1816 | -0.2090 | -0.1325 | -0.1423 | -0.1009 | 0.2139 |
| z | -0.0226 | -0.0159 | 0.1864 | -0.3088 | -0.0506 | 0.0194 | -0.2572 | 0.0834 | -0.1793 |
| Ag x | 0.0071 | -0.1711 | 0.0803 | 0.2310 | -0.0246 | 0.0694 | 0.0826 | -0.0267 | 0.2215 |
| y | 0.1232 | -0.1791 | 0.2363 | -0.2552 | 0.0362 | -0.1622 | -0.0046 | 0.1231 | 0.1311 |
| z | 0.2253 | -0.0876 | -0.0034 | -0.0325 | -0.0659 | -0.1825 | 0.0446 | -0.1740 | 0.1323 |
| Ag x | 0.1493 | 0.0294 | 0.1586 | 0.1841 | -0.0883 | -0.1682 | 0.1748 | -0.0444 | -0.0685 |
| y | 0.0450 | -0.3061 | -0.0521 | 0.0531 | -0.0468 | -0.0192 | -0.0224 | -0.0967 | 0.1427 |
| z | -0.2425 | 0.3906 | 0.1936 | 0.1303 | 0.1835 | -0.1094 | 0.1570 | 0.0842 | -0.0468 |
| Ag x | 0.1829 | -0.0613 | -0.2133 | 0.1312 | -0.1538 | 0.0355 | -0.2389 | -0.0783 | -0.1916 |
| y | -0.0476 | 0.2239 | 0.0471 | 0.0122 | 0.1752 | -0.0517 | -0.1136 | 0.0749 | 0.1485 |
| z | 0.1773 | -0.2066 | 0.0971 | 0.0564 | -0.0997 | -0.0403 | 0.2128 | -0.0487 | -0.0632 |
| Ag x | 0.1277 | 0.0641 | 0.0252 | -0.0222 | -0.0018 | -0.1414 | 0.0975 | 0.0189 | -0.0915 |
| y | -0.3043 | -0.1789 | 0.0131 | 0.2097 | 0.1571 | 0.3850 | -0.0967 | -0.0818 | -0.2156 |
| z | 0.2351 | -0.1923 | 0.2500 | -0.1772 | 0.1989 | 0.2211 | -0.0189 | -0.0403 | -0.0085 |
| Ag x | 0.0572 | -0.0382 | -0.2030 | 0.0284 | 0.0807 | -0.0041 | 0.0663 | 0.0327 | 0.0386 |
| y | -0.1357 | -0.0773 | 0.2442 | -0.0385 | -0.0818 | -0.0276 | 0.3228 | 0.0507 | -0.2418 |
| z | -0.2192 | -0.1588 | -0.0966 | -0.1334 | -0.1900 | 0.0652 | -0.0877 | -0.0202 | -0.1314 |
| Ag x | -0.1508 | -0.0514 | 0.2386 | 0.0679 | -0.0068 | -0.1190 | -0.0296 | -0.0627 | -0.0971 |
| y | -0.2921 | 0.1112 | -0.0116 | -0.1326 | -0.1258 | -0.0034 | -0.3625 | -0.0835 | 0.0135 |
| z | 0.0587 | -0.1284 | -0.0428 | -0.0121 | 0.3515 | -0.2166 | -0.1457 | -0.0408 | -0.3303 |
| Sn x | -0.0555 | 0.1564 | -0.0353 | -0.0457 | -0.0634 | -0.0174 | 0.0444 | -0.2626 | 0.1905 |
| y | 0.1823 | -0.1648 | -0.0623 | 0.1040 | 0.0620 | -0.2125 | -0.0770 | 0.4225 | -0.0964 |
| z | 0.0150 | -0.0611 | -0.0083 | -0.0920 | -0.4576 | 0.1994 | 0.0061 | 0.2506 | 0.2419 |
| Sn x | -0.0214 | -0.0071 | -0.0187 | -0.0285 | -0.0011 | 0.0960 | -0.0877 | 0.0071 | -0.0601 |
| y | 0.0720 | 0.0720 | 0.0602 | 0.0596 | -0.0570 | 0.0574 | 0.1040 | -0.4932 | -0.2031 |
| z | -0.0770 | -0.0460 | -0.0864 | -0.0662 | 0.2485 | -0.0213 | -0.0280 | -0.3250 | 0.2675 |
| Sn x | 0.0088 | 0.1037 | 0.1214 | -0.0750 | -0.0111 | 0.0259 | -0.1357 | 0.0686 | -0.1167 |
| y | -0.0603 | -0.1785 | -0.2158 | 0.0306 | 0.1386 | 0.0079 | -0.1412 | -0.0133 | 0.2945 |
| z | 0.3607 | 0.3071 | 0.0225 | 0.1501 | 0.0158 | 0.0136 | -0.3975 | -0.0336 | 0.0227 |
| Sn x | -0.1614 | -0.0949 | -0.0851 | -0.2477 | -0.0142 | -0.1656 | 0.0727 | -0.0471 | -0.0340 |
| y | 0.2244 | 0.3352 | 0.0992 | -0.0636 | -0.0488 | 0.4369 | 0.1475 | 0.0513 | 0.0533 |
| z | -0.0642 | 0.0644 | -0.1532 | -0.2955 | -0.1268 | 0.1179 | 0.3018 | -0.0297 | -0.0031 |
| Ag x | 0.0085 | 0.0288 | -0.2460 | -0.2154 | 0.2656 | 0.1323 | 0.0360 | 0.0908 | 0.1698 |
| y | 0.2098 | 0.1629 | -0.2145 | 0.0358 | 0.0318 | 0.1247 | 0.1096 | 0.0356 | -0.1253 |
| z | -0.0721 | 0.0196 | -0.3205 | 0.3285 | -0.2530 | 0.0318 | -0.0210 | 0.0329 | -0.2190 |

34: 114.2 35: 116.4 36: 119.1 37: 122.8 38: 127.1 39: 129.9 40: 139.3 41: 142.5 42: 146.0

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sn x | -0.0246 | 0.0254 | -0.0241 | -0.0339 | -0.0217 | -0.1041 | 0.0486 | -0.4947 | 0.3334 |
| y | 0.0134 | 0.1199 | 0.1017 | -0.0460 | -0.0024 | -0.0049 | 0.0071 | -0.1737 | 0.0696 |
| z | -0.0550 | -0.0872 | 0.1496 | 0.3526 | 0.0683 | 0.3106 | 0.1150 | 0.1172 | 0.0649 |
| Sn x | -0.5469 | 0.0079 | 0.1254 | 0.0570 | 0.2497 | -0.1299 | -0.0473 | 0.0106 | -0.0119 |
| y | -0.0999 | -0.1254 | 0.0682 | -0.0214 | 0.0818 | 0.0274 | -0.0621 | -0.0233 | -0.0596 |
| z | -0.2166 | 0.3229 | -0.3713 | -0.0684 | -0.1300 | 0.2001 | -0.0884 | 0.0729 | 0.0968 |
| Sn x | -0.0159 | 0.0884 | 0.0442 | -0.1204 | -0.0988 | -0.2602 | 0.5984 | 0.1138 | 0.0674 |
| y | 0.1851 | -0.0999 | 0.1825 | -0.0028 | -0.2291 | -0.1132 | -0.0946 | -0.1061 | -0.0636 |
| z | 0.2870 | -0.0165 | -0.1128 | 0.0536 | 0.2170 | 0.0657 | 0.2604 | 0.0744 | 0.0333 |
| Ag x | -0.0878 | -0.0953 | 0.1368 | 0.1748 | -0.1455 | 0.1029 | -0.0758 | 0.0705 | -0.0396 |
| y | -0.0196 | -0.0328 | -0.0370 | 0.1843 | 0.0751 | 0.1752 | 0.1508 | 0.1424 | -0.0422 |
| z | -0.1203 | 0.0684 | 0.1322 | -0.1819 | -0.2905 | -0.1793 | -0.2793 | -0.2517 | -0.0168 |
| Ag x | 0.1544 | 0.0219 | -0.0505 | -0.1955 | 0.3337 | -0.1828 | -0.1226 | 0.1823 | 0.3345 |
| y | 0.0141 | 0.0755 | -0.0576 | -0.2675 | 0.3188 | 0.2777 | 0.0908 | -0.2351 | -0.1963 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| z | 0.0447 | 0.0607 | -0.0895 | 0.0084 | 0.0839 | -0.1988 | 0.0878 | -0.1975 | -0.5061 |
| Ag x | -0.1886 | 0.0116 | -0.0587 | 0.0963 | -0.1209 | 0.1643 | 0.1581 | -0.1876 | -0.1652 |
| y | -0.0371 | -0.0849 | 0.0978 | -0.2553 | 0.0692 | 0.0430 | -0.0183 | 0.1044 | 0.0446 |
| z | 0.1153 | 0.1410 | -0.1545 | 0.2524 | 0.0533 | -0.1304 | -0.0425 | -0.0641 | -0.0010 |
| Ag x | 0.0676 | 0.4338 | 0.4424 | 0.0766 | 0.0317 | 0.1897 | 0.0252 | 0.0402 | -0.0177 |
| y | 0.1242 | 0.1418 | 0.1102 | -0.1649 | -0.0158 | -0.1134 | -0.0444 | -0.0785 | 0.0269 |
| z | -0.0552 | 0.0771 | -0.0465 | -0.0605 | -0.0233 | -0.0404 | -0.0132 | -0.0463 | -0.0063 |
| Ag x | 0.2861 | 0.1393 | -0.2616 | -0.1014 | -0.3591 | 0.2577 | 0.0186 | 0.0423 | 0.0847 |
| y | -0.0213 | -0.1902 | 0.0289 | -0.2249 | -0.1585 | 0.2105 | 0.0905 | -0.0118 | -0.0112 |
| z | -0.2006 | -0.1364 | 0.1347 | -0.0398 | -0.0469 | 0.0680 | 0.0326 | -0.0108 | -0.0091 |
| Ag x | -0.0863 | -0.0213 | 0.0008 | 0.0115 | 0.0026 | -0.0289 | -0.0147 | 0.0258 | 0.0522 |
| y | -0.0159 | 0.2015 | -0.1372 | 0.0930 | -0.2583 | 0.0272 | -0.0307 | 0.1214 | 0.2018 |
| z | -0.0372 | -0.1610 | 0.1295 | 0.1571 | -0.1476 | -0.0827 | -0.0028 | 0.0842 | 0.1254 |
| Sn x | -0.0694 | -0.4227 | -0.3882 | 0.0626 | 0.0423 | -0.0334 | 0.0445 | -0.0858 | 0.0685 |
| y | -0.1168 | -0.2416 | -0.2119 | -0.0319 | -0.1406 | -0.2203 | -0.0767 | 0.1312 | -0.0750 |
| z | -0.0205 | 0.1155 | -0.1262 | -0.1562 | 0.0354 | -0.0160 | -0.0586 | 0.0199 | -0.1076 |
| Sn x | 0.0197 | 0.0597 | -0.0025 | -0.1892 | -0.0800 | -0.1063 | -0.1417 | 0.5260 | -0.4139 |
| y | 0.0428 | 0.0268 | -0.1447 | 0.2672 | -0.0096 | 0.0228 | 0.0952 | -0.0640 | -0.1168 |
| z | 0.0442 | -0.1738 | 0.1449 | -0.2332 | 0.1428 | 0.1210 | -0.0338 | 0.1020 | 0.1879 |
| Sn x | 0.1718 | -0.0688 | -0.0659 | 0.1542 | 0.1706 | 0.2226 | -0.5475 | -0.0766 | -0.0598 |
| y | 0.0693 | 0.2265 | -0.0531 | 0.3152 | 0.2077 | -0.3605 | -0.0793 | 0.0216 | 0.0090 |
| z | -0.1017 | -0.0407 | 0.0699 | -0.0927 | 0.0534 | 0.0965 | 0.0304 | -0.0356 | -0.0348 |
| Sn x | 0.0509 | 0.0356 | -0.0426 | -0.0453 | 0.0412 | -0.0625 | -0.0153 | -0.0026 | 0.0157 |
| y | 0.0064 | -0.1084 | 0.1512 | 0.1711 | -0.0999 | 0.0035 | -0.0412 | 0.1161 | 0.1573 |
| z | 0.0130 | -0.0164 | 0.0976 | 0.0717 | -0.1362 | -0.1691 | -0.0264 | 0.0743 | 0.0697 |
| Ag x | 0.2892 | -0.2019 | 0.1618 | 0.0583 | -0.0606 | -0.0059 | 0.0743 | -0.1638 | -0.2484 |
| y | -0.1496 | 0.1011 | -0.1035 | -0.0482 | 0.1709 | 0.0567 | 0.0252 | 0.0601 | 0.0593 |
| z | 0.3054 | -0.1585 | 0.0495 | -0.0596 | 0.1082 | -0.0751 | 0.0089 | 0.0402 | 0.0884 |