$coordinates

| | | | |
|---|---|---|---|
| Ag | 2.44020285765488 | 1.86518683884336 | 2.78868855060680 |
| Ag | -4.98463206118097 | 2.86614816557781 | -1.31348202797549 |
| Ag | -2.23886759259513 | 4.77230072357455 | 3.11124291711468 |
| Sn | -1.87392685807625 | -0.24855531061354 | -4.44336335921441 |
| Sn | 2.82287846776640 | -1.01857074718910 | -1.77237239030400 |
| Sn | -2.32801105727435 | -0.54735901714685 | 1.96833746567682 |

$end

>8

vibrational frequencies, intensities

| mode | au_amu | cm-1 | km/mol |
|---|---|---|---|
| 7 | 0.003469 | 17.8 | 0.01 |
| 8 | 0.005037 | 25.9 | 0.01 |
| 9 | 0.010031 | 51.6 | 0.23 |
| 10 | 0.011946 | 61.4 | 0.19 |
| 11 | 0.013892 | 71.4 | 0.06 |
| 12 | 0.014386 | 74.0 | 0.10 |
| 13 | 0.015433 | 79.3 | 0.02 |
| 14 | 0.021088 | 108.4 | 0.01 |
| 15 | 0.023624 | 121.4 | 0.04 |
| 16 | 0.026013 | 133.7 | 0.23 |
| 17 | 0.027115 | 139.4 | 0.78 |
| 18 | 0.030168 | 155.1 | 0.14 |

Frequencies (cm-1) and normal modes

| | 7: 17.8 | 8: 25.9 | 9: 51.6 | 10: 61.4 | 11: 71.4 | 12: 74.0 | 13: 79.3 | 14: 108.4 | 15: 121.4 |
|---|---|---|---|---|---|---|---|---|---|
| Ag x | -0.0110 | 0.1148 | -0.1127 | -0.3351 | -0.1880 | 0.1375 | -0.4105 | -0.4144 | 0.0378 |
| y | -0.2768 | -0.2926 | -0.1977 | -0.1199 | 0.3154 | -0.2831 | -0.0503 | 0.1628 | -0.2539 |
| z | 0.2538 | 0.3531 | -0.3544 | -0.2627 | 0.0010 | 0.1674 | 0.2141 | 0.2159 | -0.3299 |
| Ag x | 0.1730 | -0.4337 | -0.3301 | 0.3596 | 0.2168 | 0.2212 | 0.0741 | -0.0628 | 0.2410 |
| y | 0.2003 | -0.2948 | 0.1962 | -0.2559 | 0.3376 | 0.1226 | -0.0863 | -0.0953 | -0.2728 |
| z | -0.1037 | 0.0700 | 0.1184 | 0.1253 | 0.2012 | -0.0563 | 0.4273 | -0.5293 | -0.2089 |
| Ag x | 0.1177 | 0.3117 | -0.0748 | 0.1192 | 0.1060 | -0.6035 | -0.0183 | 0.3130 | -0.0409 |
| y | -0.0108 | 0.1054 | 0.0326 | 0.2217 | -0.2433 | 0.0916 | 0.5064 | -0.0265 | 0.2304 |
| z | -0.0115 | -0.5217 | -0.0741 | -0.0621 | -0.4828 | -0.2773 | 0.0504 | 0.1763 | 0.0769 |
| Sn x | -0.2246 | 0.0385 | 0.1966 | 0.1567 | -0.1114 | -0.1344 | -0.0198 | -0.1624 | -0.0717 |
| y | -0.5230 | 0.2775 | 0.0372 | 0.1271 | 0.0891 | 0.1456 | -0.1221 | 0.1583 | 0.1774 |
| z | 0.1273 | -0.0007 | 0.5135 | -0.1643 | 0.1929 | 0.1272 | -0.1130 | 0.2945 | 0.4318 |
| Sn x | 0.1237 | -0.0387 | 0.5130 | 0.0450 | -0.0662 | 0.0333 | 0.0972 | 0.0929 | -0.3041 |
| y | 0.5850 | 0.1771 | -0.1009 | 0.1650 | 0.0408 | -0.1081 | -0.1602 | -0.1385 | 0.2231 |
| z | -0.1782 | 0.0585 | -0.1228 | -0.1628 | 0.1379 | -0.2800 | -0.1268 | -0.3036 | 0.3100 |
| Sn x | -0.1658 | 0.0071 | -0.2161 | -0.3386 | 0.0491 | 0.3346 | 0.2608 | 0.2260 | 0.1490 |
| y | 0.0212 | 0.0049 | 0.0341 | -0.1452 | -0.5206 | 0.0282 | -0.0702 | -0.0590 | -0.1180 |
| z | -0.0813 | 0.0362 | -0.0951 | 0.5172 | -0.0633 | 0.3113 | -0.4197 | 0.1398 | -0.3014 |

16: 133.7 17: 139.4 18: 155.1

| | | | |
|---|---|---|---|
| Ag x | -0.2941 | 0.3676 | -0.0400 |
| y | -0.2758 | 0.0820 | -0.0753 |
| z | -0.2604 | 0.0702 | -0.0954 |
| Ag x | -0.3213 | -0.2024 | 0.0903 |
| y | 0.3474 | 0.1400 | -0.0985 |
| z | -0.0887 | -0.2169 | -0.0428 |
| Ag x | 0.0556 | -0.0483 | 0.0101 |
| y | 0.0246 | 0.4923 | -0.0409 |
| z | 0.0500 | 0.1804 | -0.0234 |
| Sn x | 0.1299 | -0.0570 | -0.6264 |
| y | -0.1642 | -0.0073 | 0.1673 |
| z | -0.2515 | -0.1004 | -0.2452 |
| Sn x | -0.0843 | 0.1142 | 0.5626 |
| y | 0.1640 | -0.0360 | -0.0348 |
| z | 0.2693 | -0.0063 | 0.3976 |
| Sn x | 0.4881 | -0.1687 | 0.0063 |
| y | -0.0914 | -0.6377 | 0.0721 |
| z | 0.2673 | 0.0745 | 0.0017 |