Приложение

Таблица. П1 Экспериментальные значения теплоемкости станната лютеция, полученные методом адиабатической калориметрии.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *T*, K | *Cp(T)*,Дж K-1 моль-1 | *T*, K | *Cp(T)*,Дж K-1 моль-1 | *T*, K | *Cp(T)*,Дж K-1 моль-1 | *T*, K | *Cp(T)*,Дж K-1 моль-1 |
| Серия 1  | 174.12 | 154.48 | 296.43 | 211.97 | 29.85 | 14.08 |
| 79.25 | 70.73 | 178.05 | 157.03 | 300.20 | 213.15 | 31.61 | 16.05 |
| 81.33 | 72.99 | 181.97 | 159.50 | 303.94 | 214.28 | 32.96 | 17.71 |
| 83.28 | 75.08 | 185.90 | 161.92 | 307.66 | 215.38 | 34.43 | 19.45 |
| 85.22 | 77.14 | 189.82 | 164.28 | 311.37 | 216.45 | 36.26 | 21.67 |
| 87.16 | 79.19 | 193.93 | 166.69 | 315.05 | 217.49 | 38.02 | 23.78 |
| 89.11 | 81.23 | 197.94 | 168.98 | 318.71 | 218.50 | 39.84 | 25.99 |
| 91.06 | 83.25 | 201.94 | 171.22 | 322.35 | 219.49 | 41.72 | 28.29 |
| 93.02 | 85.27 | 205.94 | 173.41 | 325.98 | 220.46 | 43.57 | 30.59 |
| 94.97 | 87.27 | 209.94 | 175.55 | 329.58 | 221.42 | 45.41 | 32.88 |
| 96.92 | 89.25 | 213.95 | 177.64 | 333.47 | 222.46 | 47.25 | 35.15 |
| 98.89 | 91.24 | 217.94 | 179.69 | 337.41 | 223.52 | 49.10 | 37.40 |
| 100.85 | 93.20 | 221.94 | 181.70 | 341.32 | 224.58 | 50.97 | 39.64 |
| 103.80 | 96.14 | 225.93 | 183.66 | 345.22 | 225.66 | 52.85 | 41.85 |
| 107.71 | 99.98 | 229.92 | 185.59 | 349.09 | 226.78 | 54.72 | 44.02 |
| 111.57 | 103.73 | 233.90 | 187.47 | 352.93 | 227.93 | 56.61 | 46.17 |
| 115.44 | 107.43 | 237.88 | 189.31 | Серия 2  | 58.50 | 48.31 |
| 119.33 | 111.07 | 241.85 | 191.11 | 7.99 | 0.771 | 60.40 | 50.44 |
| 123.22 | 114.66 | 245.82 | 192.87 | 8.88 | 1.001 | 62.30 | 52.60 |
| 127.11 | 118.18 | 249.78 | 194.59 | 9.82 | 1.284 | 64.21 | 54.75 |
| 131.02 | 121.63 | 253.74 | 196.27 | 10.98 | 1.653 | 66.12 | 56.95 |
| 134.93 | 125.01 | 257.68 | 197.91 | 12.12 | 2.078 | 68.03 | 59.18 |
| 138.84 | 128.31 | 261.62 | 199.51 | 13.52 | 2.641 | 69.96 | 61.48 |
| 142.75 | 131.52 | 265.55 | 201.06 | 15.11 | 3.305 | 71.88 | 63.83 |
| 146.67 | 134.67 | 269.47 | 202.58 | 16.71 | 4.125 | 73.79 | 66.25 |
| 150.59 | 137.73 | 273.37 | 204.05 | 18.78 | 5.121 | 75.72 | 68.76 |
| 154.51 | 140.71 | 277.26 | 205.48 | 21.23 | 6.446 | 77.65 | 71.36 |
| 158.43 | 143.62 | 281.13 | 206.87 | 23.04 | 7.854 | 79.58 | 74.05 |
| 162.36 | 146.45 | 284.99 | 208.21 | 24.69 | 9.113 |  |  |
| 166.28 | 149.20 | 288.82 | 209.51 | 26.39 | 10.52 |  |  |
| 170.20 | 151.87 | 292.64 | 210.76 | 28.11 | 12.22 |  |  |