第7讲 拟合模型的数据

表7.1 实验数据观测值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  | 27.0 | 26.8 | 26.5 | 26.3 | 26.1 | 25.7 | 25.3 | 24.8 |

表7.2 反应物的观测值数据

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 |
|  | 57.6 | 41.9 | 31.0 | 22.7 | 16.6 | 12.2 | 8.9 | 6.5 |

表7.3 小行星观察数据的坐标

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| 坐标 | 5.764 | 6.286 | 6.759 | 7.168 | 7.408 |
| 坐标 | 0.648 | 1.202 | 1.823 | 2.526 | 3.360 |

表7.4 的观测值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 3 | 5 | 6 | 7 | 4 | 8 | 5 | 9 |
|  | 4 | 9 | 5 | 3 | 8 | 5 | 8 | 5 |

表7.5 的观测值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 | 2 | 6 | 7 | 4 | 2 | 5 | 9 |
|  | 4 | 9 | 5 | 3 | 8 | 5 | 8 | 2 |
|  | 5 | 2 | 1 | 9 | 7 | 4 | 3 | 3 |

表7.6 的观测值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 | 2 | 6 | 7 | 4 | 2 | 5 | 9 |
|  | 4 | 9 | 5 | 3 | 8 | 5 | 8 | 2 |

表7.7 的观测值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 | 2 | 6 | 7 | 4 | 2 | 5 | 9 |
|  | 4 | 9 | 5 | 3 | 8 | 5 | 8 | 2 |
|  | 2 | 5 | 6 | 3 | 6 | 6 | 8 | 7 |
|  | 5 | 2 | 1 | 9 | 7 | 4 | 3 | 3 |

表7.8 水塔中水位原始数据

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 时刻（t）/h | 0 | 0.92 | 1.84 | 2.95 | 3.87 | 4.98 | 5.90 |
| 水位/m | 9.68 | 9.48 | 9.31 | 9.13 | 8.98 | 8.81 | 8.69 |
| 时刻（t）/h | 7.01 | 7.93 | 8.97 | 9.98 | 10.92 | 10.95 | 12.03 |
| 水位/m | 8.52 | 8.39 | 8.22 | - | - | 10.82 | 10.5 |
| 时刻（t）/h | 12.95 | 13.88 | 14.98 | 15.9 | 16.83 | 17.93 | 19.04 |
| 水位/m | 10.21 | 9.94 | 9.65 | 9.41 | 9.18 | 8.92 | 8.66 |
| 时刻（t）/h | 19.96 | 20.84 | 22.01 | 22.96 | 23.88 | 24.99 | 25.91 |
| 水位/m | 8.43 | 8.22 | - | - | 10.59 | 10.35 | 10.18 |

表7.9 与的观测数据

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 36.9 | 46.7 | 63.7 | 77.8 | 84.0 | 87.5 |
|  | 181 | 197 | 235 | 270 | 283 | 292 |