第08讲 微分方程模型的数据

表8.1 野兔数据的观测值

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| T=0 | T=1 | T=2 | T=3 | T=4 | T=5 | T=6 | T=7 | T=8 | T=9 |
| 5 | 5.9945 | 7.0932 | 8.2744 | 9.5073 | 10.7555 | 11.9804 | 13.1465 | 14.2247 | 15.1953 |

表8.2 种群数量的观测值

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
|  | 60 | 63 | 64 | 63 | 61 | 58 | 53 | 44 | 39 | 38 | 41 | 46 | 53 |
|  | 30 | 34 | 38 | 44 | 50 | 55 | 58 | 56 | 47 | 38 | 30 | 27 | 26 |

表8.3 第一年各月份的销售量

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 月份 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 广告费 | 469 | 781 | 208 | 208 | 833 | 677 | 938 | 2500 | 1865 | 4843 | 4167 | 948 |
| 销售量 | 0 | 218 | 510 | 1385 | 802 | 583 | 1152 | 1677 | 3646 | 2756 | 4083 | 4958 |