2201 声光衍射实验 数据处理报告模板

原始数据记录：

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 频率f\_s/Hz | #f\_s\_1# | #f\_s\_2# | #f\_s\_3# | #f\_s\_4# | #f\_s\_5# | #f\_s\_6# | #f\_s\_7# | #f\_s\_8# |
| 偏转角phi\_0/rad | #phi\_0\_1# | #phi\_0\_2# | #phi\_0\_3# | #phi\_0\_4# | #phi\_0\_5# | #phi\_0\_6# | #phi\_0\_7# | #phi\_0\_8# |

变换角：

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| phi\_1/rad | #phi\_1\_1# | #phi\_1\_2# | #phi\_1\_3# | #phi\_1\_4# | #phi\_1\_5# | #phi\_1\_6# | #phi\_1\_7# | #phi\_1\_8# |

线性拟合得到最终结果：

，， #v\_s# m/s

相对误差：

Abs()\*100% = #percent#%