

实验 6 悬臂梁应力测量实验-理论值 vs 实验值

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a) 理论值与实验值比较

$$e = \frac{|\sigma_{li} - \sigma_{shi}|}{\sigma_{shi}} \times 100\%$$

| P(N) | -20 | -36 | -52 | -68 | -84 | -100 |
|------------------|-------|-------|-------|-------|-------|-------|
| Error σ_1 | 5.06% | 1.86% | 1.26% | 2.99% | 3.63% | 3.05% |
| Error σ_2 | 4.40% | 1.67% | 1.40% | 3.09% | 3.63% | 3.19% |
| Error σ_3 | 8.22% | 3.77% | 2.60% | 3.99% | 3.63% | 3.05% |
| Error σ_4 | 8.22% | 5.06% | 3.78% | 4.86% | 4.11% | 4.00% |

