**BẢNG SỐ LIỆU 50 TRƯỜNG HỢP CHẠY THỰC NGHIỆM ĐÁNH GIÁ SAI SỐ TỌA ĐỘ TRƯỚC HIỆU CHỈNH ( ĐƠN VỊ: CM)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Trước hiệu chỉnh** | | | | | |
| **Real** | | **Camera** | | **Robot** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 4.2 | 11.3 | 4 | 11.4 | 4 | 11.1 |
| 7 | 11.7 | 6.7 | 11.7 | 6.6 | 11.7 |
| 0.3 | 14.7 | 10.3 | 14.6 | 10.1 | 14.1 |
| 3.6 | 11.1 | 3.4 | 11.2 | 3.6 | 10.8 |
| 4.9 | 10 | 4.7 | 9.9 | 4.7 | 9.1 |
| 3.4 | 13.5 | 3.2 | 13.6 | 3.2 | 13.6 |
| 5.5 | 11.4 | 5.4 | 11.3 | 5.2 | 10.9 |
| 4.5 | 12.7 | 4.3 | 12.7 | 4.4 | 12.7 |
| 7.9 | 9 | 7.8 | 9 | 7.7 | 9 |
| 5.6 | 10.4 | 4.8 | 10.4 | 4.6 | 10.1 |
| 4.7 | 11.2 | 4.3 | 11.2 | 4.2 | 11 |
| 7.6 | 10.1 | 7.3 | 9.9 | 7.2 | 9.9 |
| 4.3 | 9 | 3.9 | 8.9 | 3.3 | 7.9 |
| **Trước hiệu chỉnh** | | | | | |
| **Real** | | **Camera** | | **Robot** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 4.5 | 10.9 | 4 | 10.9 | 3.9 | 10.7 |
| 8.2 | 14.2 | 8 | 14.3 | 7.9 | 13.7 |
| 7 | 12.6 | 6.6 | 12.6 | 6.7 | 12.6 |
| 6.8 | 10.6 | 6.5 | 10.5 | 6.2 | 10.5 |
| 5.1 | 11.6 | 5.4 | 12.4 | 5.4 | 12.4 |
| 6.7 | 14.3 | 6.4 | 14.5 | 6 | 13.5 |
| 6.8 | 10.5 | 6.4 | 10.5 | 6.1 | 10.4 |
| 5 | 9.4 | 4.4 | 9.4 | 4.5 | 9 |
| 6.6 | 9.4 | 6.5 | 9.2 | 6.2 | 9 |
| 4.2 | 9.1 | 4.1 | 9 | 4.2 | 8.1 |
| 4.4 | 10.3 | 4.2 | 10.2 | 4.6 | 9.6 |
| 6.9 | 12.5 | 6.8 | 12.4 | 7 | 12.3 |
| 5.1 | 9.4 | 4.8 | 9.2 | 5.1 | 8.7 |
| 6.1 | 12.7 | 5.9 | 12.7 | 6.3 | 12.7 |
| 4.7 | 9.2 | 4.4 | 9.1 | 4.7 | 8.6 |
| **Trước hiệu chỉnh** | | | | | |
| **Real** | | **Camera** | | **Robot** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 6 | 15 | 5.8 | 15.2 | 6 | 13.6 |
| 4.1 | 10.7 | 3.8 | 10.7 | 4.1 | 10.4 |
| 7.8 | 13.9 | 7.6 | 14 | 7.6 | 12.6 |
| 10.6 | 11.2 | 10.7 | 11.1 | 10.6 | 10.9 |
| 5.1 | 13.6 | 4.8 | 13.6 | 5.1 | 13.6 |
| 8.2 | 14 | 7.9 | 13.9 | 7.3 | 13.1 |
| 3.9 | 11.7 | 3.5 | 11.8 | 3.3 | 11.1 |
| 3.6 | 15 | 3.3 | 15.2 | 3.3 | 14.4 |
| 6.5 | 13.8 | 6.3 | 14 | 6.3 | 14.1 |
| 7.9 | 11.2 | 7.6 | 11.1 | 7.3 | 11.4 |
| 4.7 | 10.6 | 4.3 | 10.7 | 3.8 | 10.6 |
| 2.4 | 11.3 | 2 | 11.5 | 1.8 | 11.2 |
| 4.8 | 10.6 | 4.5 | 10.6 | 4.2 | 10.4 |
| 6.7 | 13.2 | 6.6 | 13.5 | 6.1 | 12.9 |
| 8 | 9.4 | 7.8 | 9.5 | 6.6 | 9.1 |
| **Trước hiệu chỉnh** | | | | | |
| **Real** | | **Real** | | **Real** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 9.7 | 10.3 | 9.6 | 10.5 | 9.2 | 10 |
| 7.1 | 12.6 | 7 | 12.7 | 6.5 | 12.5 |
| 5.5 | 12.1 | 5.3 | 12.2 | 5.1 | 12.1 |
| 3.9 | 12.1 | 3.5 | 12.3 | 3.3 | 11.9 |
| 5.5 | 12.9 | 5.3 | 13 | 5.1 | 12.9 |
| 7.1 | 14 | 7 | 14.1 | 6.5 | 12.8 |
| 5.2 | 11.2 | 5 | 11.3 | 4.6 | 10.9 |

**BẢNG SỐ LIỆU 50 TRƯỜNG HỢP CHẠY THỰC NGHIỆM ĐÁNH GIÁ SAI SỐ TỌA ĐỘ SAU HIỆU CHỈNH ( ĐƠN VỊ: CM)**

**Chú thích:**

Những trường hợp gắp hụt có số liệu được tô màu đỏ

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sau hiệu chỉnh** | | | | | |
| **Real** | | **Camera** | | **Robot** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 3.5 | 10.9 | 3.5 | 10.9 | 3.5 | 11 |
| 4.4 | 11.1 | 4.4 | 11.1 | 4.3 | 11.3 |
| 5.3 | 11.2 | 5.4 | 11.4 | 5.3 | 11.4 |
| 3.1 | 12.1 | 3.1 | 12.1 | 2.9 | 12.3 |
| 8.8 | 11.3 | 8.8 | 11.2 | 8.8 | 11.4 |
| 3.9 | 11.2 | 3.9 | 11.2 | 3.6 | 11.2 |
| 7.4 | 10.9 | 7.4 | 10.9 | 7.4 | 10.9 |
| 8.4 | 13.4 | 8.3 | 13.2 | 8.3 | 12.9 |
| 8.2 | 15.7 | 8.2 | 15.7 | 8.2 | 15.3 |
| 4.8 | 12.5 | 4.8 | 12.6 | 4.8 | 12.9 |
| 6.3 | 10.8 | 6.3 | 10.8 | 6.1 | 10.8 |
| 8.5 | 12 | 8.5 | 12 | 8.5 | 12 |
| **Sau hiệu chỉnh** | | | | | |
| **Real** | | **Camera** | | **Robot** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 4.5 | 10.5 | 4.5 | 10.5 | 4.3 | 10.2 |
| 5.9 | 11.9 | 5.8 | 11.8 | 5.8 | 11.7 |
| 4 | 9.8 | 3.9 | 9.6 | 3.9 | 9.3 |
| 4.4 | 13.9 | 4.4 | 13.8 | 4.4 | 14.2 |
| 4 | 12.1 | 4 | 12.1 | 4 | 12.1 |
| 8.1 | 12.4 | 8 | 12.4 | 7.8 | 12.4 |
| 4.6 | 10.4 | 4.6 | 10.4 | 4.6 | 10.4 |
| 5.3 | 14.7 | 5.1 | 14.6 | 5.1 | 14.3 |
| 5.7 | 11.5 | 5.7 | 11.5 | 5.7 | 11.5 |
| 7.4 | 11.8 | 7.3 | 12 | 7.3 | 11.9 |
| 5 | 10.1 | 5 | 10.1 | 5 | 10.1 |
| 5.2 | 11.7 | 5.2 | 11.6 | 5.1 | 12.1 |
| 7.7 | 11 | 7.6 | 11 | 7.6 | 11.4 |
| 7.8 | 8.1 | 7.8 | 8.1 | 7.8 | 8.1 |
| 7.5 | 8.5 | 7.5 | 8.5 | 7.5 | 8.5 |
| **Sau hiệu chỉnh** | | | | | |
| **Real** | | **Camera** | | **Robot** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 3 | 8.7 | 2.8 | 8.7 | 2.9 | 8.7 |
| 5.4 | 10.9 | 5.4 | 10.9 | 5.4 | 11.1 |
| 4.3 | 10.4 | 4.3 | 10.4 | 4.3 | 10.5 |
| 5.7 | 10.8 | 5.5 | 10.8 | 5.5 | 10.7 |
| 3.5 | 9.9 | 3.5 | 9.9 | 3.2 | 9.9 |
| 6.5 | 9.3 | 6.5 | 9.3 | 6.5 | 9.3 |
| 7.3 | 10.5 | 7.2 | 10.5 | 7.2 | 10.7 |
| 4.1 | 9.5 | 4.1 | 9.5 | 4.1 | 9.4 |
| 6.2 | 8.5 | 6.2 | 8.5 | 6 | 8.4 |
| 2.6 | 8.8 | 2.5 | 8.6 | 2.5 | 8.7 |
| 5.8 | 11.9 | 5.8 | 11.8 | 5.8 | 12.1 |
| 8.3 | 9.1 | 8.3 | 9.1 | 8.5 | 9 |
| 8.9 | 12.9 | 8.9 | 12.9 | 8.9 | 12.5 |
| 5.3 | 11.4 | 5.2 | 11.4 | 5.2 | 11.7 |
| 4.9 | 10.1 | 4.9 | 10.1 | 4.7 | 10.1 |
| **Sau hiệu chỉnh** | | | | | |
| **Real** | | **Camera** | | **Robot** | |
| **x** | **y** | **x** | **y** | **x** | **y** |
| 3.7 | 10.4 | 3.7 | 10.4 | 3.5 | 10.4 |
| 4.4 | 8.6 | 4.4 | 8.6 | 4.4 | 8.6 |
| 6.8 | 12.5 | 6.8 | 12.5 | 6.8 | 12.5 |
| 3.9 | 11.6 | 3.9 | 12.6 | 3.9 | 12.9 |
| 5.2 | 9.8 | 5.1 | 9.8 | 4.9 | 9.8 |
| 6.7 | 9.1 | 6.7 | 9.1 | 6.7 | 9.1 |
| 4.1 | 10.2 | 4.1 | 10.2 | 3.8 | 10.1 |
| 5.2 | 11.9 | 5.2 | 11.9 | 5.2 | 12.1 |