# PC SLAM

## **Corridor 1 Straight Line Measurements**

| **Motion** | **Frames merged** | **Grid step** | **Distance**  **Moved Threshold** | **Data visualisation** | **Length accuracy** |
| --- | --- | --- | --- | --- | --- |
| Straight line | 20 | 2 | 0.5 |  |  |
| Straight line | 20 | 2 | 0.5 |  |  |
| Straight line | 20 | 2 | 0.5 |  |  |
|  |  |  |  |  |  |
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**Corridor 1 L-Shape Measurements**

## 

| **Motion** | **Frames merged** | **Grid step** | **Distance**  **Moved Threshold** | **Data visualisation** | **Length accuracy** |
| --- | --- | --- | --- | --- | --- |
| L-Shape 1 | 20 | 5 | 0.01 |  |  |
| L-Shape 2 | 20 | 5 | 0.01 |  |  |
| L-Shape 3 | 20 | 5 | 0.01 |  |  |
| L-Shape 1 | 25 | 5 | 0.01 |  |  |
| L-Shape 2 | 25 | 5 | 0.01 |  |  |
| L-Shape 3 | 25 | 5 | 0.01 |  |  |
| L-Shape 1 | 30 | 5 | 0.01 |  |  |
| L-Shape 2 | 30 | 5 | 0.01 |  |  |
| L-Shape 3 | 30 | 5 | 0.01 |  |  |

**Corridor 1 U-Shape Measurements**

## 

| **Motion** | **Frames merged** | **Grid step** | **Distance**  **Moved Threshold** | **Data visualisation** | **Length accuracy** |
| --- | --- | --- | --- | --- | --- |
| U-Shape 1 | 20 | 5 | 0.01 |  |  |
| U-Shape 2 | 20 | 5 | 0.01 |  |  |
| U-Shape 3 | 20 | 5 | 0.01 |  |  |
| U-Shape 1 | 25 | 5 | 0.01 |  |  |
| U-Shape 2 | 25 | 5 | 0.01 |  |  |
| U-Shape 3 | 25 | 5 | 0.01 |  |  |
| U-Shape 1 | 30 | 5 | 0.01 |  |  |
| U-Shape 2 | 30 | 5 | 0.01 |  |  |
| U-Shape 3 | 30 | 5 | 0.01 |  |  |
| U-Shape 1 | 45 | 5 | 0.01 |  |  |
| U-Shape 2 | 45 | 5 | 0.01 |  |  |
| U-Shape 3 | 45 | 5 | 0.01 |  |  |

## **Corridor 2 measurements**

| Motion | Frames merged | Data visualisation | Length accuracy |
| --- | --- | --- | --- |
| Straight line | 20 |  |  |
| Straight line | 20 |  |  |
| Straight line | 20 |  |  |

## **IE Room measurements**

| Motion | Frames merged | Data visualisation | Length accuracy |
| --- | --- | --- | --- |
| Straight line | 20 |  |  |
| Straight line | 20 |  |  |
| Straight line | 20 |  |  |
| LShape | 20 |  |  |
| LShape | 20 |  |  |
| LShape | 20 |  |  |
| UShape | 20 |  |  |
| UShape | 20 |  |  |
| UShape | 20 |  |  |