**Table 1**: Numbers of images in the training and test groups

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Training** | **Test** | **Total** |
| *Unoccupied (U)* | 180 | 20 | 200 |
| *Face Up (FU)* | 180 | 20 | 200 |
| *Face Down (FD)* | 180 | 20 | 200 |
| *Left Lateral (LL)* | 180 | 20 | 200 |
| *Right Lateral (RL)* | 180 | 20 | 200 |
| *Edge (E)* | 180 | 20 | 200 |

**Table 2**: Accuracies of posture categories

|  |  |  |
| --- | --- | --- |
| **Category** |  | **Accuracy (%)** |
| *Unoccupied (U)* |  | *100.0* |
| *Face Up (FU)* |  | *93.0* |
| *Face Down (FD)* |  | *90.0* |
| *Left Lateral (LL)* |  | *85.0* |
| *Right Lateral (RL)* |  | *80.0* |
| *Edge (E)* |  | *95.0* |

**Table 3**: Confusion matrix of posture classification

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **U** | **FU** | **FD** | **LL** | **RL** | **E** |
| U | 100 | 0 | 0 | 0 | 0 | 0 |
| FU | 0 | 93 | 7 | 0 | 0 | 0 |
| FD | 0 | 7 | 90 | 2 | 1 | 0 |
| LL | 0 | 0 | 2 | 85 | 10 | 3 |
| RL | 0 | 2 | 2 | 12 | 80 | 4 |
| E | 3 | 0 | 0 | 1 | 1 | 95 |