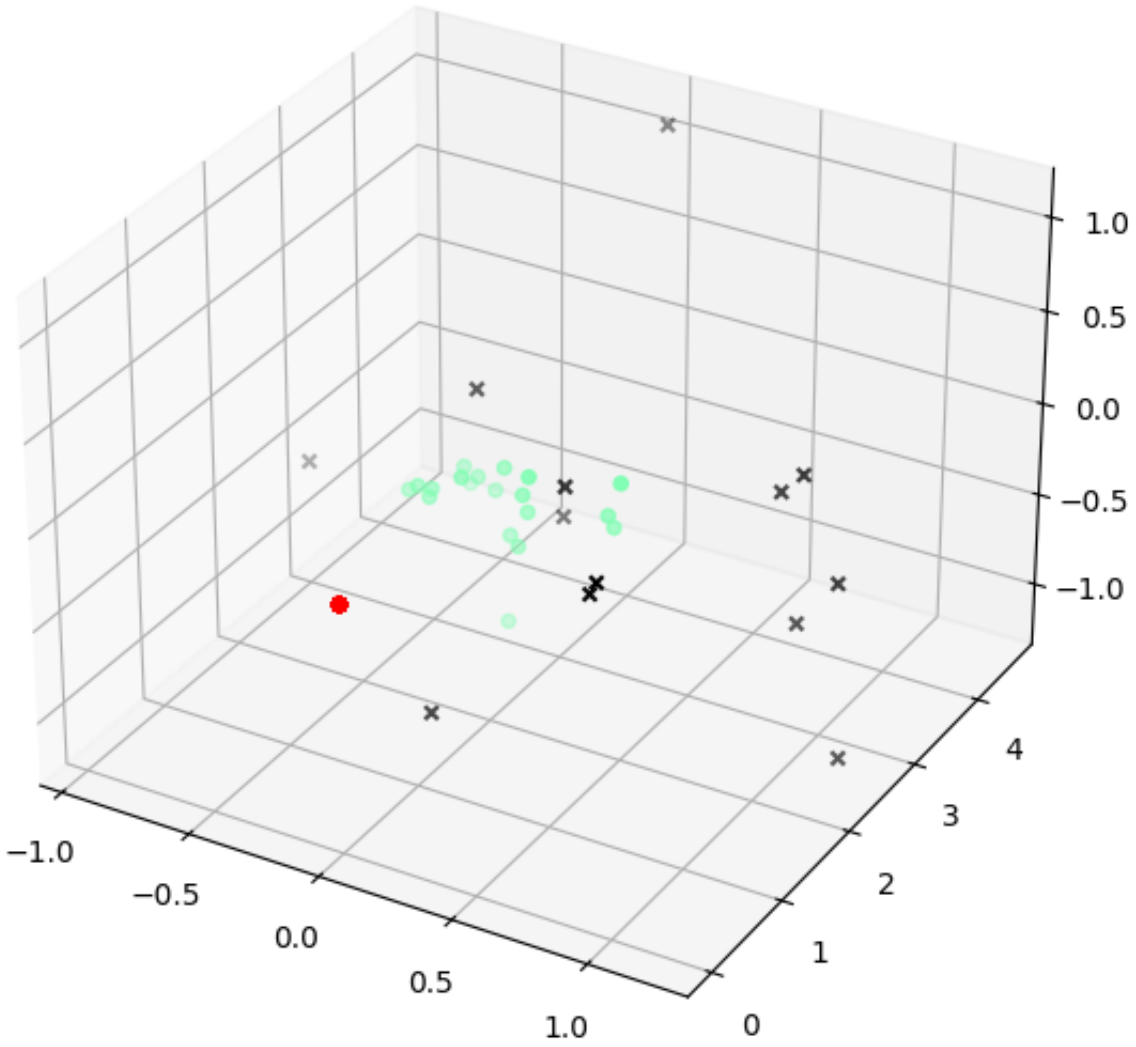
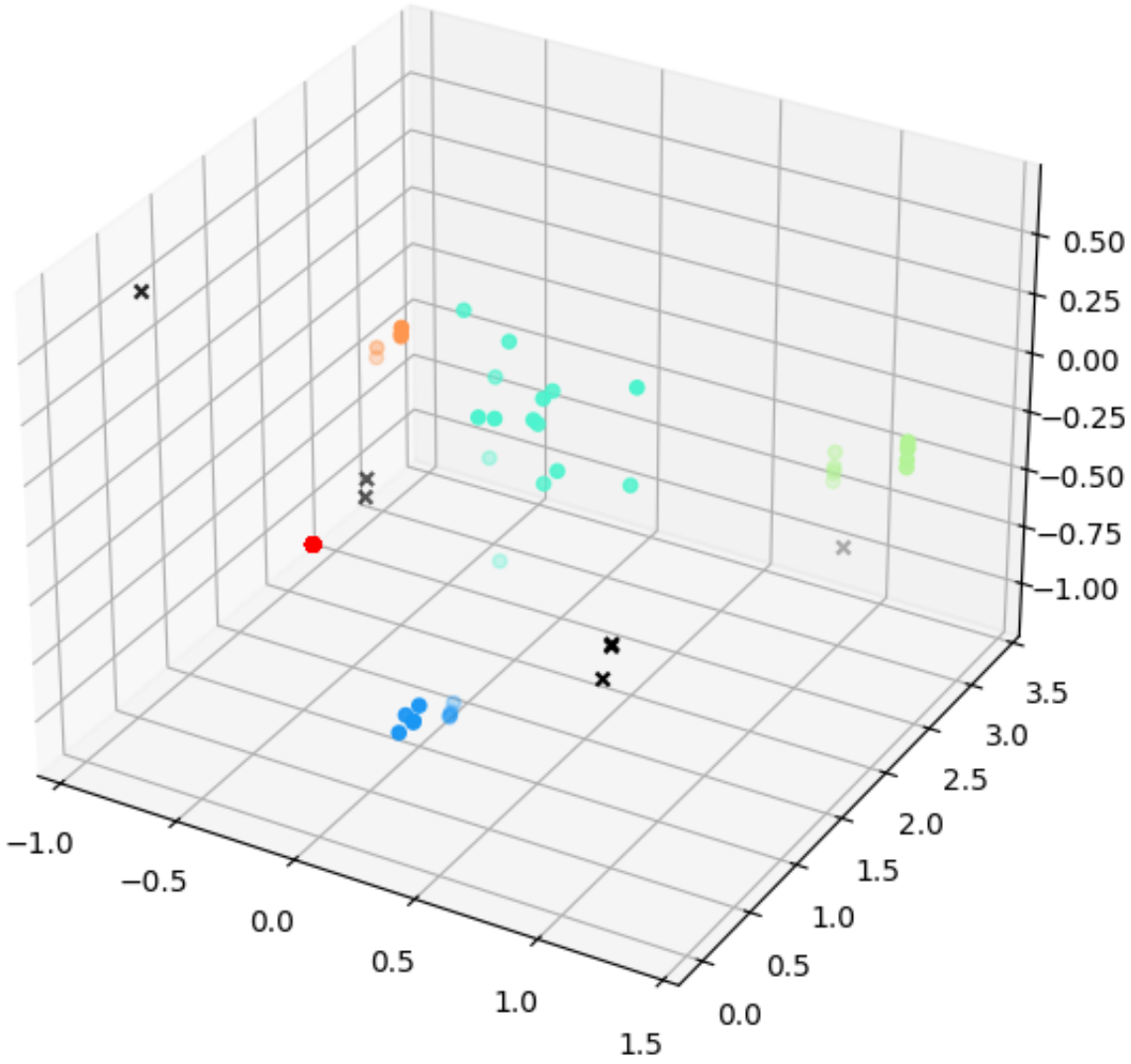
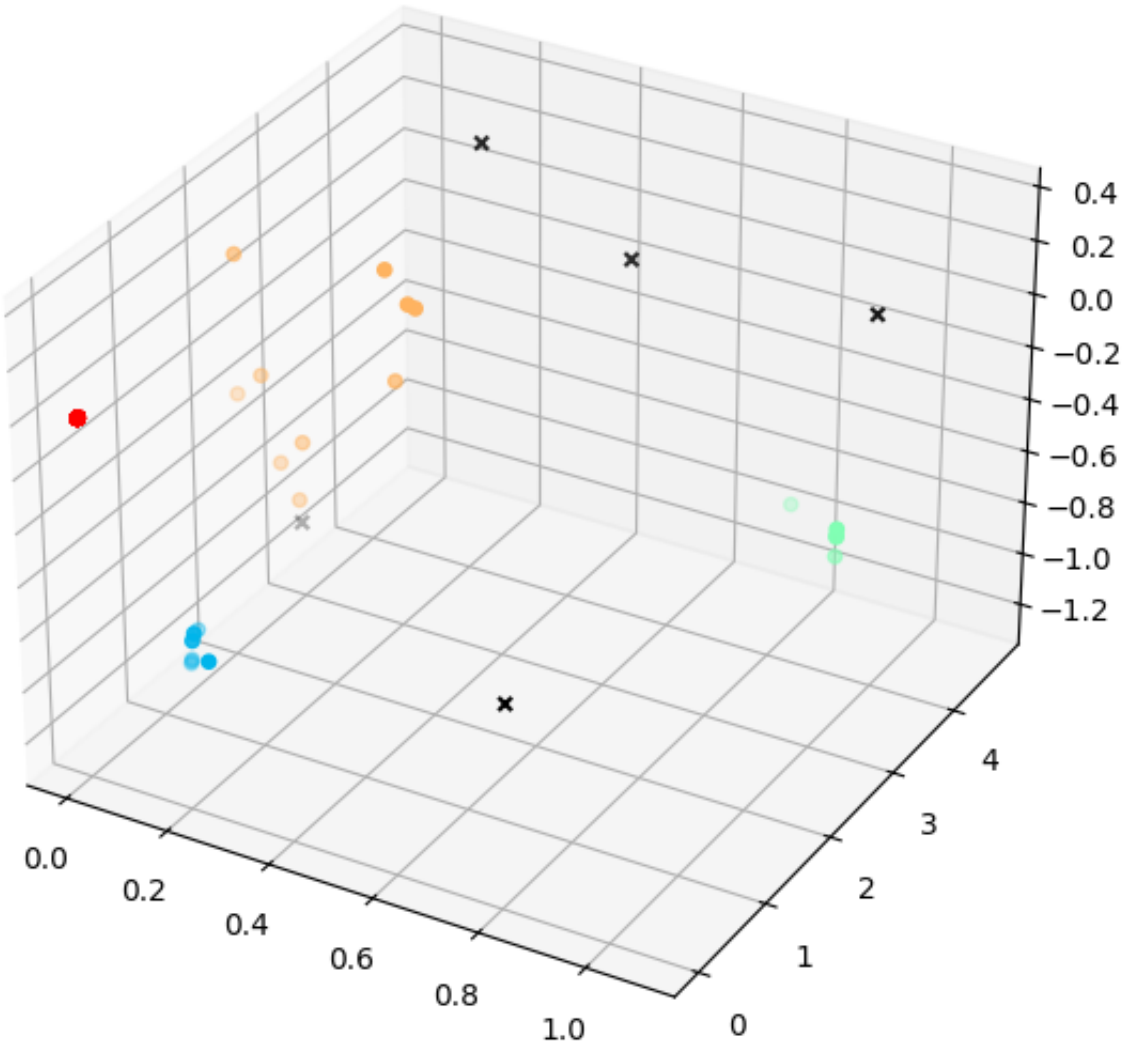
```
Applying pre-filtering techniques...
Transforming keypoints ...
100%|██████████| 545059/545059 [00:16<00:00, 32470.77it/s]
Stacking and padding frames...
100%|██████████| 545059/545059 [02:49<00:00, 3213.52it/s]
Applying DBSCAN clustering...
100%|██████████| 545059/545059 [18:46<00:00, 483.74it/s]

Visualization without noise reassignment:
```

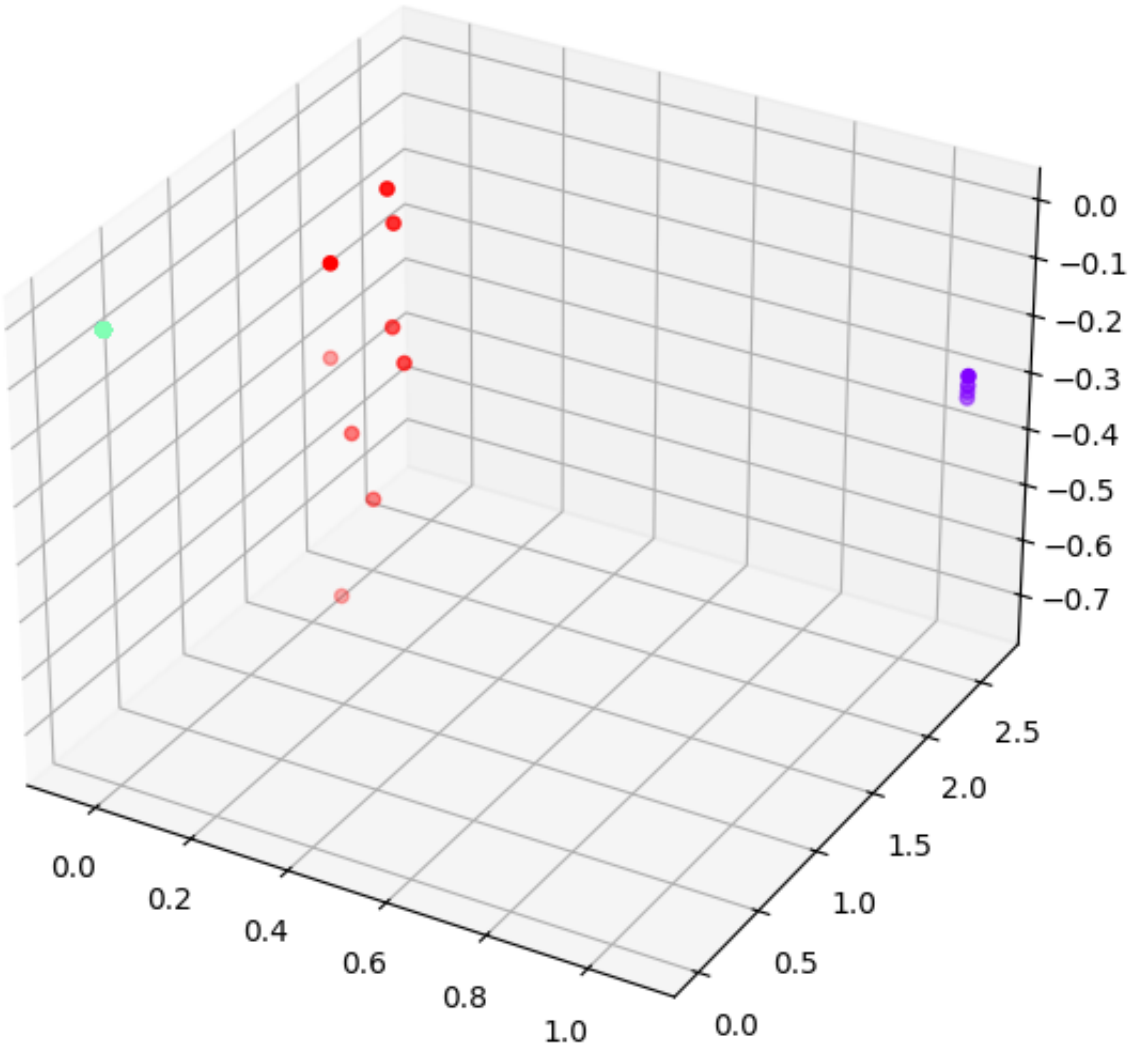


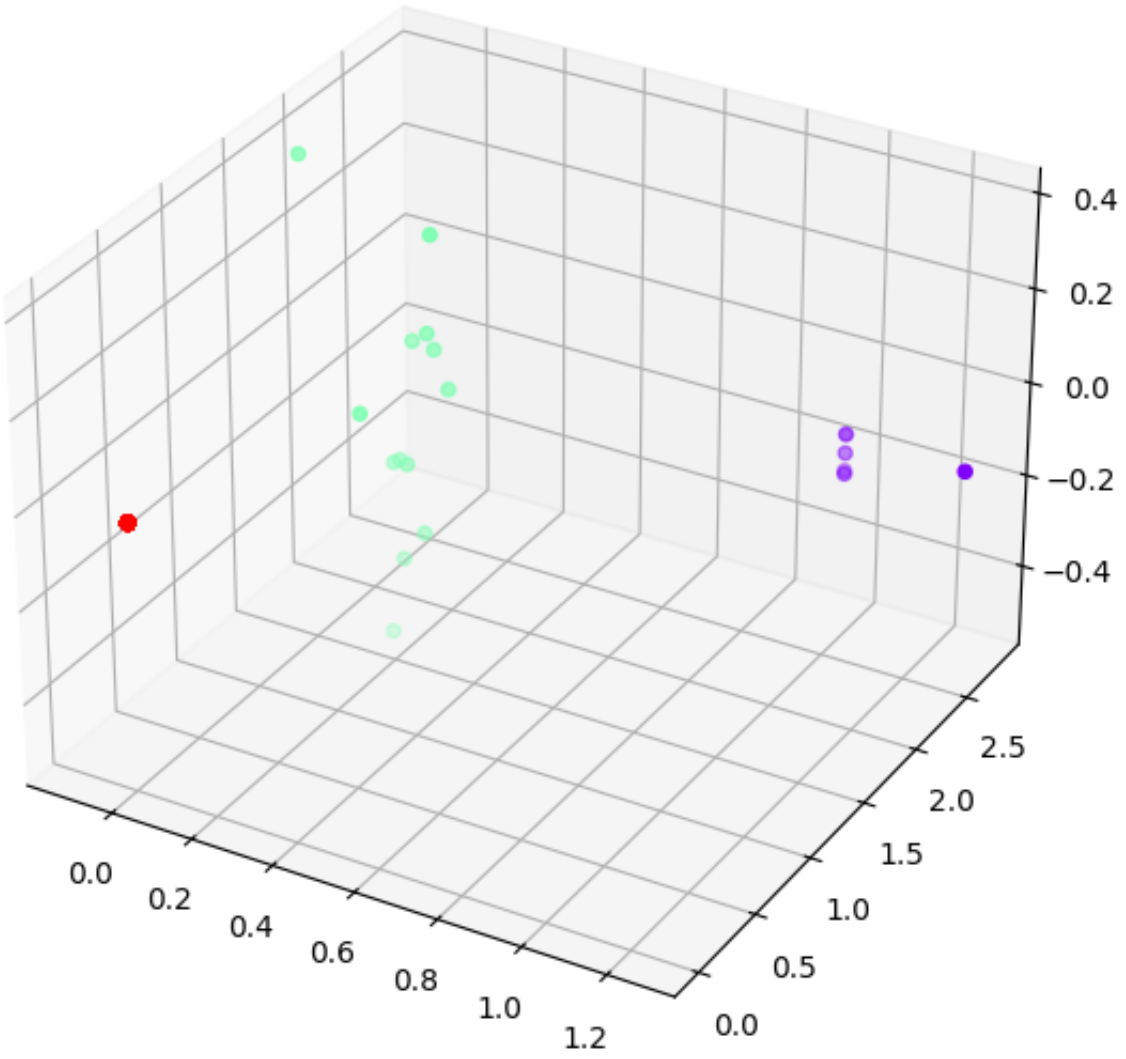

0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
1.0
1.5

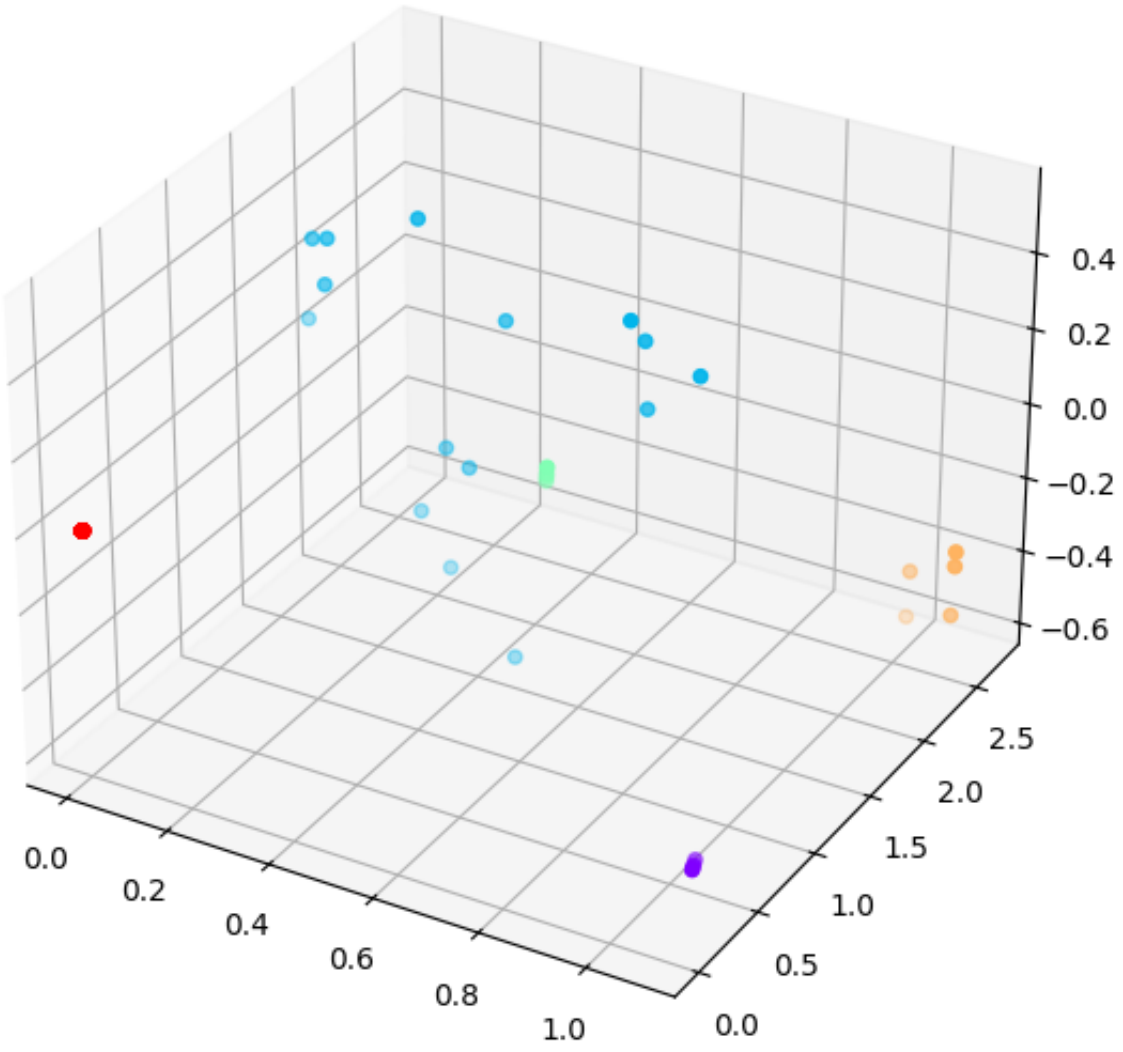



```
Applying DBSCAN clustering...
100%|██████████| 545059/545059 [20:56<00:00, 433.79it/s]

Visualization with noise reassignment:
```


0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.5
1.0
1.5
2.0
2.5


0.4
0.2
0.0
−0.2
−0.4
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2


0.4
0.2
0.0
−0.2
−0.4
−0.6
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.2
0.4
0.6
0.8
1.0