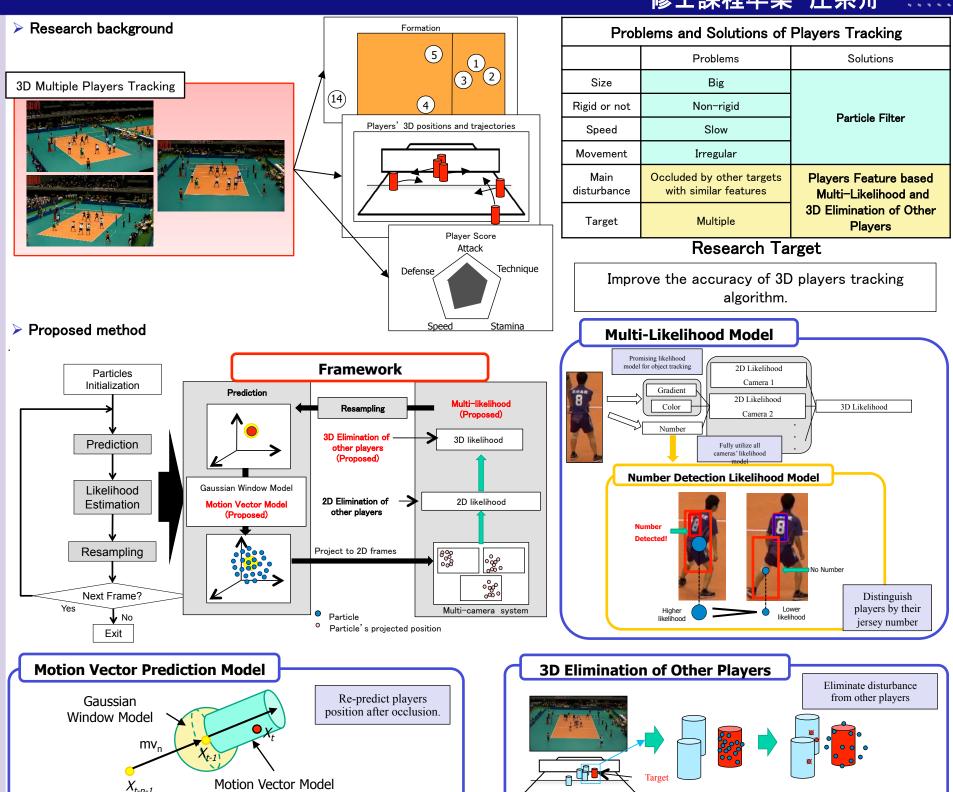
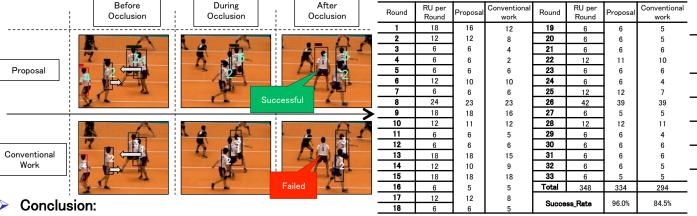
Particle Filter using Players Feature based Multi-Likelihood and 3D Elimination of Other Players for 3D Multiple Players Tracking in Volleyball

修士課程卒業 庄系舟



Experiment result:



Total 96.8% 86.6%

Overall Success Rate

Proposal

96.0%

97.6%

24s/f

First Set
Third Set

Execution time

Conventional

84.5%

88.6%

8s/f

With the proposed particle filter based 3D multiple players tracking algorithm, averagely 96.0% and 97.6% success rate can be achieved in the first set and the third set.



Success Rate Comparison in the First Set