SOMEWHERE IN PART 2

The partial least square algorithm did an outstanding job with a 70.96% succession rate of being able to track the object when obstructed by another object. The other algorithms did not do as well compared to the PLS algorithm; the multiple instance learning algorithm (MIL) only had a 34.54% success rate of tracking the object. Philip et al. also tested the difference in the tracking accuracy of an object with minimal movement, the tests concluded with a 69.47% succession rate with the PLS algorithm, and a 4.31% succession rate with the MIL algorithm. When it came to background clutter, the PLS algorithm had a 73.64% succession rate in tracking the object while the MIL algorithm had a 3.27% succession rate in tracking the object. Even in low contrast video, the PLS algorithm did a much better job at tracking when it is compared to the MIL algorithm. The PLS algorithm had an 80.49% succession rate, while the MIL algorithm only had a 21.48% succession rate. Philip et al. (2014) concluded that the PLS algorithm performs the best overall, clearly outperforming the MIL algorithm.