

Abstract Submitted
for the TSP21 Meeting of
The American Physical Society

Improving Algorithms for the Automated Tracking of Objects in Videos¹ ROBINSON CALEB, CALVIN BERGGREN, Texas Lutheran University
— Writing algorithms to track the position of objects in a video opens the door to automate the collection of position data in an experiment. Given a template of an object, the algorithm in the software will run through a video frame by frame and automatically find the position of the object. One important piece of this software is using a comparison method that compares the template image to a certain location in the frame to see how similar they are. This project explored a few possible methods to do the comparison and tested them to see how effective each was in finding the correct position of the object.

¹This work is supported by NSF IUSE:HSI Grant 1953561

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Date submitted: 24 Sep 2021

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