

1. PROJECT TITLE

-- Video Labeling, Object Detection, and Object Tracking Using Matlab

2. PROJECT DESCRIPTION

The Matlab VideoLabeling application will be used to label objects in various movement situations

3. SET UP:

- 1-- Load files below in 4.) into the same contents folder and make a note of the directory path leading to this contents folder.
- 2-- Determine the present working directory with the "pwd" command in Matlab Command Window. Note the ans = 'result' where 'result' is the current working directory.
- 3-- In the Matlab Command Window, enter "cd" followed by the directory path leading to the contents folder noted in 1.). This will change the current working directory to the directory path leading to the contents folder.
- 4-- Verify the new present working directory change by retyping "pwd" in the Matlab Command Window.

4. PROJECT FOLDER CONTENTS

- This README.pdf file.
- "Video_Labeling_Object_Detection_and_Object_Tracking.mlx" file.
- "Video_Labeling_Object_Detection_and_Object_Tracking.html" file.
- "Video_Labeling_Object_Detection_and_Object_Tracking.pdf" file.
- Five .mp4 input files:
 - barb_tetra__1.mp4,
 - foilsurf__1.mp4,
 - snowboard__1.mp4,
 - top_spin__1.mp4,
 - windsurf__1.mp4
- Five .mp4 test files:
 - barb_tetra__2.mp4,
 - foilsurf__2.mp4,
 - snowboard__2.mp4,
 - top_spin__2.mp4,
 - windsurf__2.mp4
- Five .mat ground truth files:
 - gTruth_barb.mat,
 - gTruth_foil_surf.mat,
 - gTruth_snowboarder.mat,
 - gTruth_top_spin.mat,
 - gTruth_windsurfer.mat
- "OUTPUT" folder