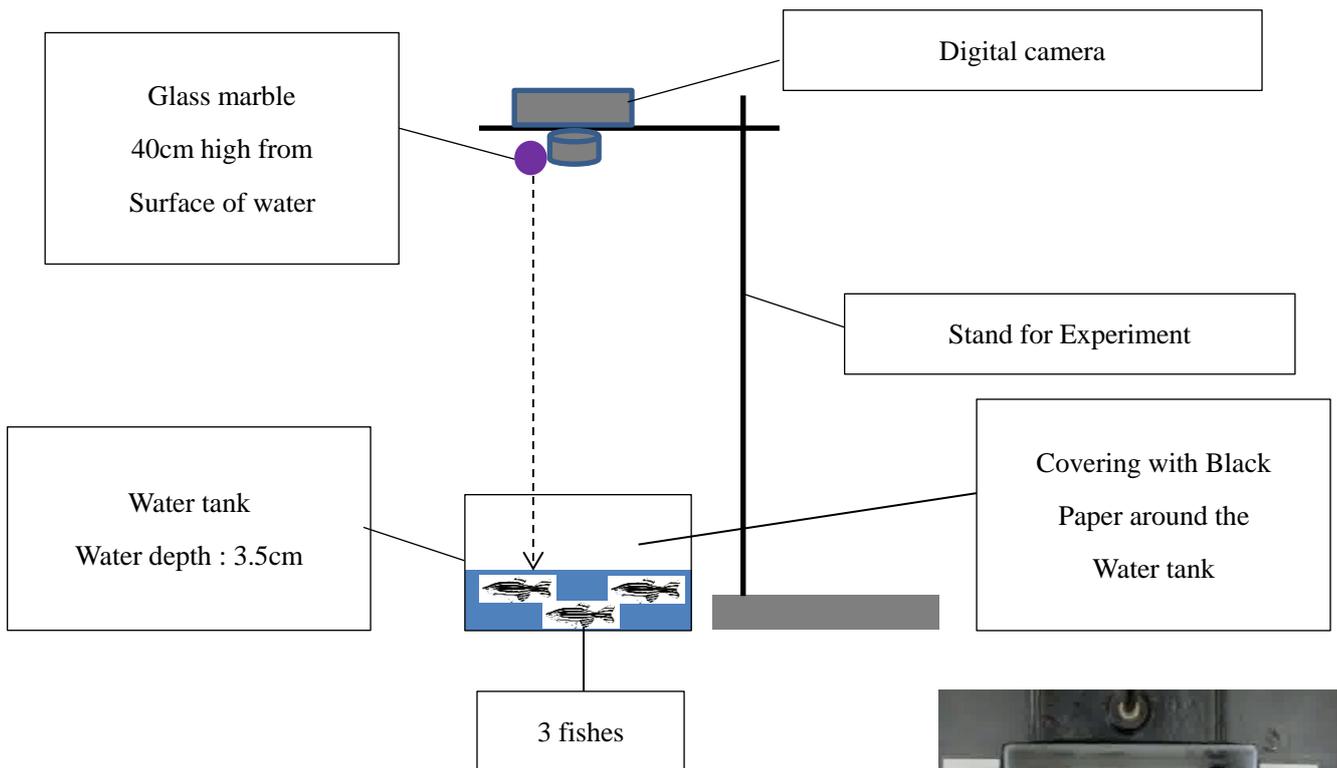


1. Experimental apparatus



2. Experiment

- Your digital camera: MENU
→ “Moving Image Quality” (動画画質) → “HS120”
“HS120” means that you photograph the moving image with the speed of 120 frames per a second, that is $1/120$ [sec] \doteq 8.3 [mm sec].
- Recording on → Drop a glass marble → Recording off
- Repeat this 5 times

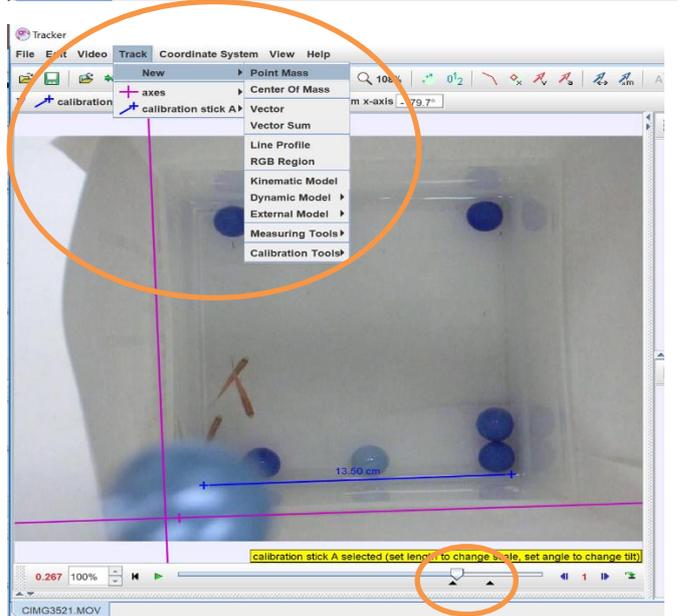
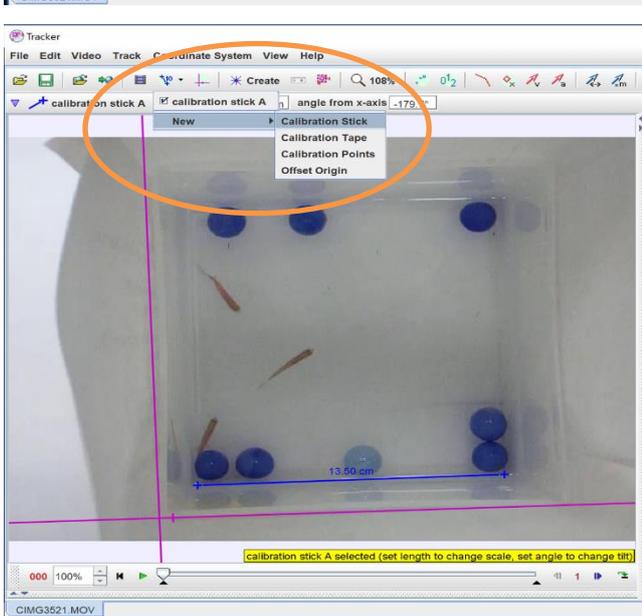
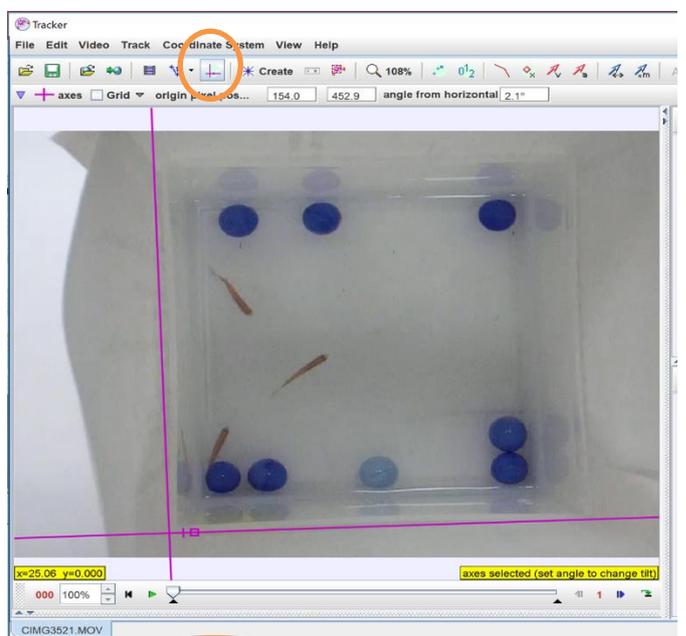
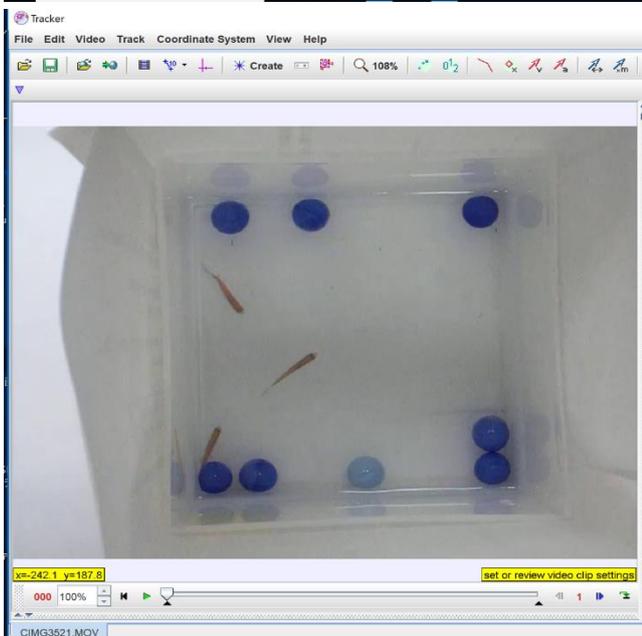
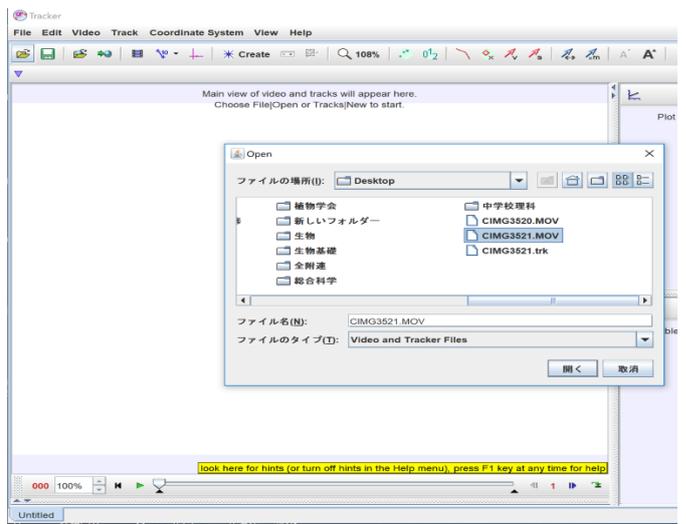
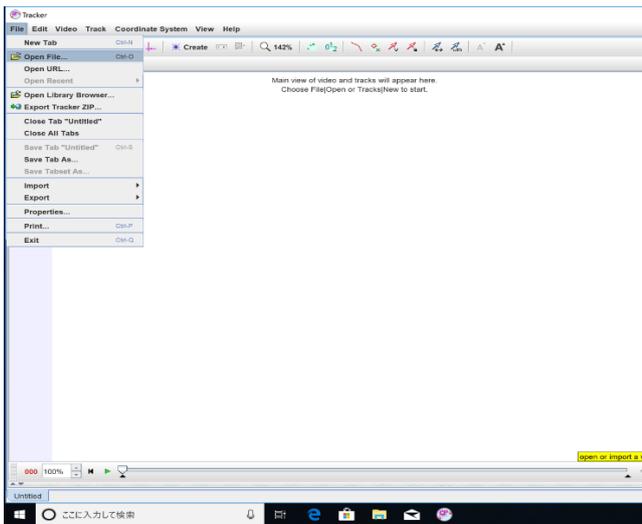
3. Analysis of the result

- Analyze your recorded moving image with “Tracker - Video analysis and Modeling Tool - ”
<https://physlets.org/tracker/>
- Measure the “swimming speed” of the fish before and after that a glass marble fell to the surface of water.

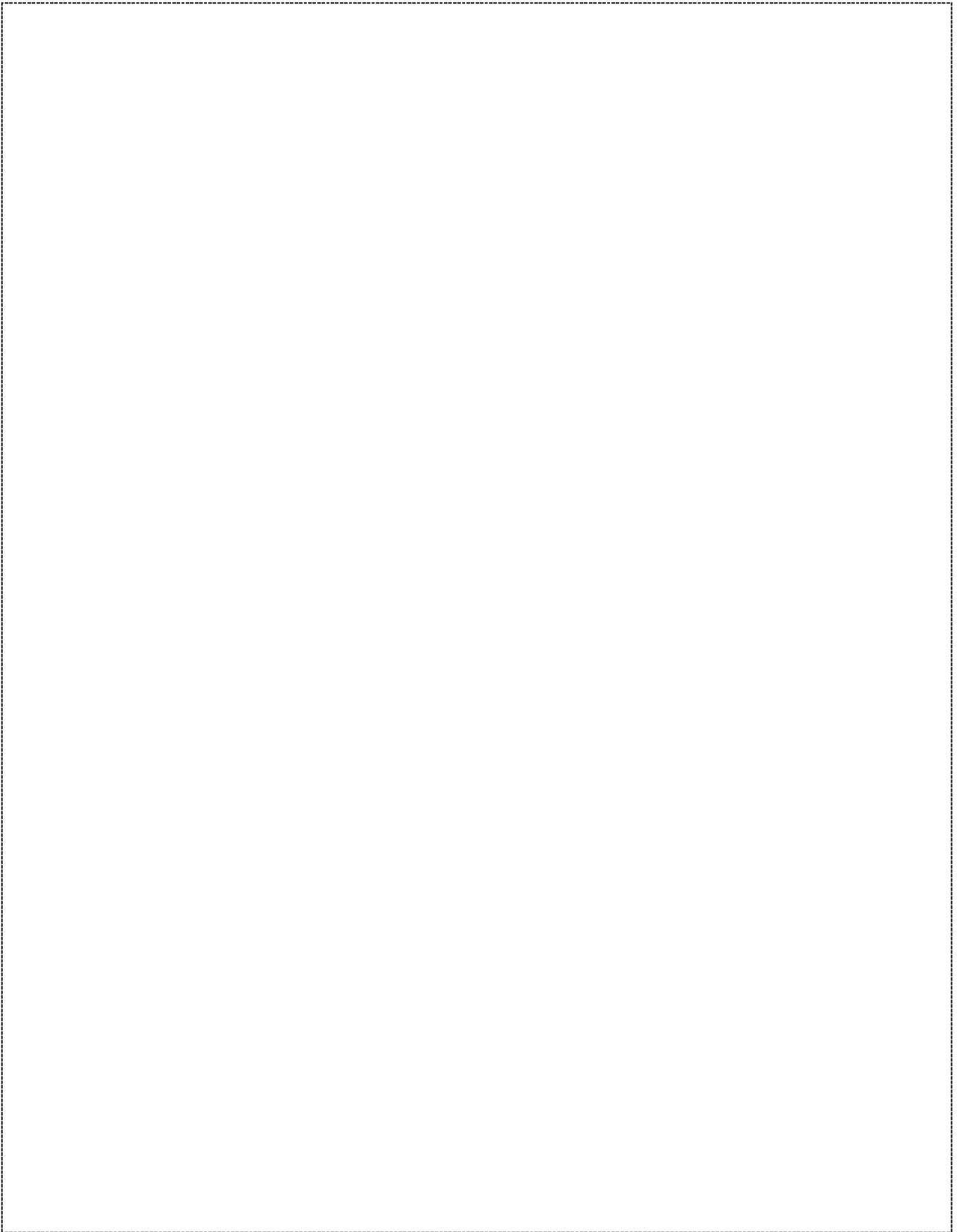
4. Discussion and Conclusion

- Discuss whether fish use visual sense or using lateral line sense when danger approaches.
- Talk about your conclusion with scientific evidences in each group.

Operation Method of "Tracker"



Discussion and Conclusion (your record)

A large, empty rectangular box with a dashed border, occupying most of the page below the section header. It is intended for the student to write their discussion and conclusion.