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Development of Concept Inventories fitting Japanese High School Physics II

Thursday, December 16, 2021 8:00 AM (20 minutes)

This talk is the latter of serial presentations, and an overview of our project and method of test-data analyses will be shown in the previous one. The purpose of this study is to develop concept inventories fitting to the standard curricula for Japanese high school physics. In this talk, we will show some examples of a “trial” version of the test and discuss student’s misconceptions based on student’s responses to it. For example, by making an item related to sushi and improving the items of the existing concepts inventories, we made the concepts inventory in the context familiar to Japanese students.

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