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Symposium (Oral) | Symposium | Realization, Learning, Environment and Energy

## [14p-D419-1~5]Realization, Learning, Environment and Energy

Shizutoshi Ando(Tokyo Univ. of Sci.)

Sat. Mar 14, 2020 2:00 PM - 4:40 PM D419 (11-419)

△ : Presentation by Applicant for JSAP Young Scientists Presentation Award

▲ : English Presentation

▼ : Both of Above

No Mark : None of Above

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4:10 PM - 4:40 PM

## [14p-D419-5]Development and utilization of teaching materials for the "Fukui Science and Mathematics Grand Prix", an inquisitive event for high school students

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(1.Tsuruga H.S., 2.Fukui Univ., 3.Fukui Nourin H.S, 4.Kanazu H.S., 5.Ono H.S., 6.Takefuhigashi H.S.)

Keywords:Tablet, Video shooting, Analysis of motion

Fukui Prefecture has been holding the "Fukui Science and Mathematics Grand Prix" for elementary, junior high and high school students since 2008. In this paper, we report on the teaching materials developed in 2019 and the initiatives actually practiced in our classes. In the class, students took a video on a tablet terminal and analyzed the images in detail. For video analysis, the coordinates of an object can be measured every 30 th of every second by using the "photo" of microsoft, which is standard installed in Windows 10.