4th World Conference on Physics Education

EMBRACING CHANGES TOGETHER

Contribution ID: **268** Type: **Poster**

Measurement of the gravitational acceleration by secondary school and university students with the use of remote laboratories

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This contribution summarizes several theoretical models for the value of the gravitational acceleration g. Significant deviations among the predicted theoretical values from these models can be observed. They are compared with experimental values from worldwide open remote laboratories within the World Pendulum (WP@ELAB) Project. Moreover, behaviour of several UJEP and Škoda Auto University students in the Czech remote laboratory with a mathematical pendulum with variable length at UJEP is correlated with the quality of the submitted reports of these students involved in the pedagogical research. The most interesting findings of the first log file analysis are presented and discussed.

How would you like to present your contribution?

Live in Kraków (time slot to be allotted based on the programme)

Target education level

General

Category

Formal Education

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