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GIREP-EPEC conference 2023
Physics learning promoting culture
and addressing societal issues

Contribution ID: 60

Type: **Oral presentation**

Understanding two types of notations for radio wave propagation

Wednesday 5 July 2023 14:00 (20 minutes)

Radio waves are essential part of communication technologies as well as basic physics education. Understanding electromagnetic waves requires skills in mathematics and knowledge of the phenomena. Still, data from radio technology may pleasantly surprise an inexperienced or mainly solution-oriented student. The research considers the effect of two different teaching approaches at BA-level. We observed the relationship between the formalism of physics according to didactics and engineering-like solution-oriented pragmatism. This study presents empirical observations on how the parallelism of contents can be managed with exercises.

How would you like to present your contribution?

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

Target education level (primary)

University education

Target education level (secondary, optional)

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Session Classification: Innovative strategies at University

Track Classification: Innovative strategies and pathways to improve physics education at university