

26th International Conference on Multimedia in Physics Teaching and Learning (MPTL '26)

Contribution ID: 32

Type: **Distance oral presentation**

Digital Games and Quantum Physics in University

Thursday 7 September 2023 17:40 (20 minutes)

Using digital games in quantum physics education can help students to understand and visualize quantum phenomena and create intuition for quantum formalism. In addition, games can have the potential to trigger interest. Depending on the purpose, digital games can be used in different ways, e.g., supported by a general introductory quantum physics lesson, combined with traditional quantum physics teaching based on solid mathematical foundations, or instead of using games as a part of the educational process, we can use game development as an educational process itself. In this presentation, we introduce different possibilities and our experience in using digital games at the university for different educational and outreach purposes related to quantum physics.

Contribution categories - primary focus

University

Contribution categories - type

Application (shared experience, activity suggestions)

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Session Classification: Presentations/Workshops