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Physics learning promoting culture
and addressing societal issues

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Type: **Poster**

SCIENTIFIC REASONING OF STUDENTS OF PALACKÝ UNIVERSITY IN 1ST YEAR

Thursday 6 July 2023 16:40 (20 minutes)

We used the Lawson test of scientific reasoning to check the level of operational reasoning for 660 students entering the Faculty of Science of Palacký University in Olomouc. Besides the standard item and test characteristics, we also identified possible factors affecting the scores. Our results confirm there was a statistically significant difference between the women's and men's scores, but no difference between future science teachers and students of technical programs. The scores correlate with the probability of completing at least the 2nd year of the bachelor's degree. The eye-tracking analysis showed a gender difference in problem-solving process.

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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