



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 89

Type: Oral (Non-Student) / Orale (non-étudiant(e))

Use of MathMatize website for in-class and post-class formative assessments in large classes

Monday 9 June 2025 14:45 (15 minutes)

We will demonstrate how we use the MathMatize website both for in-class polls and post-class quizzes in several first- and second-year large physics classes. MathMatize is a relatively new system which supports fill-in-the-blank style questions where students input equations, and the system is very good at recognizing equivalent answers. We find that this system works much better than multiple choice questions, especially for the second-year courses where, for example, we can get students to set up integrals during class and get immediate feedback on any mistakes.

Keyword-1

quiz

Keyword-2

technology

Keyword-3

formative assessment

Authors: HARLICK, Ania (University of Toronto); WILSON, Brian (University of Toronto)

Presenters: HARLICK, Ania (University of Toronto); WILSON, Brian (University of Toronto)

Session Classification: (DPE) M2-7 Physics Education I | l'enseignement de la physique I (DEP)

Track Classification: Technical Sessions / Sessions techniques: Physics Education / Enseignement de la physique (DPE-DEP)