STACK publications

This document contains publications relating to the STACK computer aided assessment system. For more information about STACK please see https://stack-assessment.org/ The original BiBTeX entries are available from

https://github.com/maths/moodle-qtype_stack/tree/master/doc/content/stack.bib

Suggestions of where to start

- [1] G. Kinnear, A. K. Wood, and R. Gratwick. Designing and evaluating an online course to support transition to university mathematics. *International Journal of Mathematical Education in Science and Technology*, 0(0):1–24, 2021.
- [2] C. J. Sangwin and R. Bickerton. Practical online assessment of mathematical proof. *International Journal of Mathematical Education in Science and Technology*, 53(10), 2023.
- [3] C. J. Sangwin and I. Jones. Asymmetry in student achievement on multiple choice and constructed response items in reversible mathematics processes. *Educational Studies in Mathematics*, 94:205– 222, 2017.
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- [2] Y. Nakamura. The STACK e-Learning and Assessment System for mathematics, science and engineering education through Moodle. Tokyo Denki University Press, 2010. (In Japanese).

Specific issues

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Research and conference papers

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- [2] M. Akveld and G. Kinnear. Improving mathematics diagnostic tests using item analysis. International Journal of Mathematical Education in Science and Technology, pages 1–28, 2023.
- [3] T. Pelkola, A. Rasila, and C. J. Sangwin. Investigating Bloom's learning for mastery in mathematics with online assessment. *Informatics in Education*, 2018.
- [4] K. Yoshitomi. Generation of abundant multi-choice or STACK type questions using cas for random assignments. In J.H. Davenport, M. Kauers, G. Labahn, and J. Urban, editors, *Proc. Mathematical Software — ICMS 2018*, number 10931 in Springer Lecture Notes in Computer Science, pages 492–497, 2018.
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For copies of the proceedings of the first STACK conference see https://zenodo.org/communities/stack

Proceedings of the first STACK conference, 2018

- [1] J. Härterich. Using randomized quizzes in undergraduate linear algebra and multivariable calculus. In *Contributions to the 1st International STACK conference 2018 in Fürth, Germany.* Zenodo, 2019.
- [2] T. Mai and A. Meyer. Sketching functions as a digital task with automated feedback. In *Contributions to the 1st International STACK conference 2018 in Fürth, Germany.* Zenodo, 2019.
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