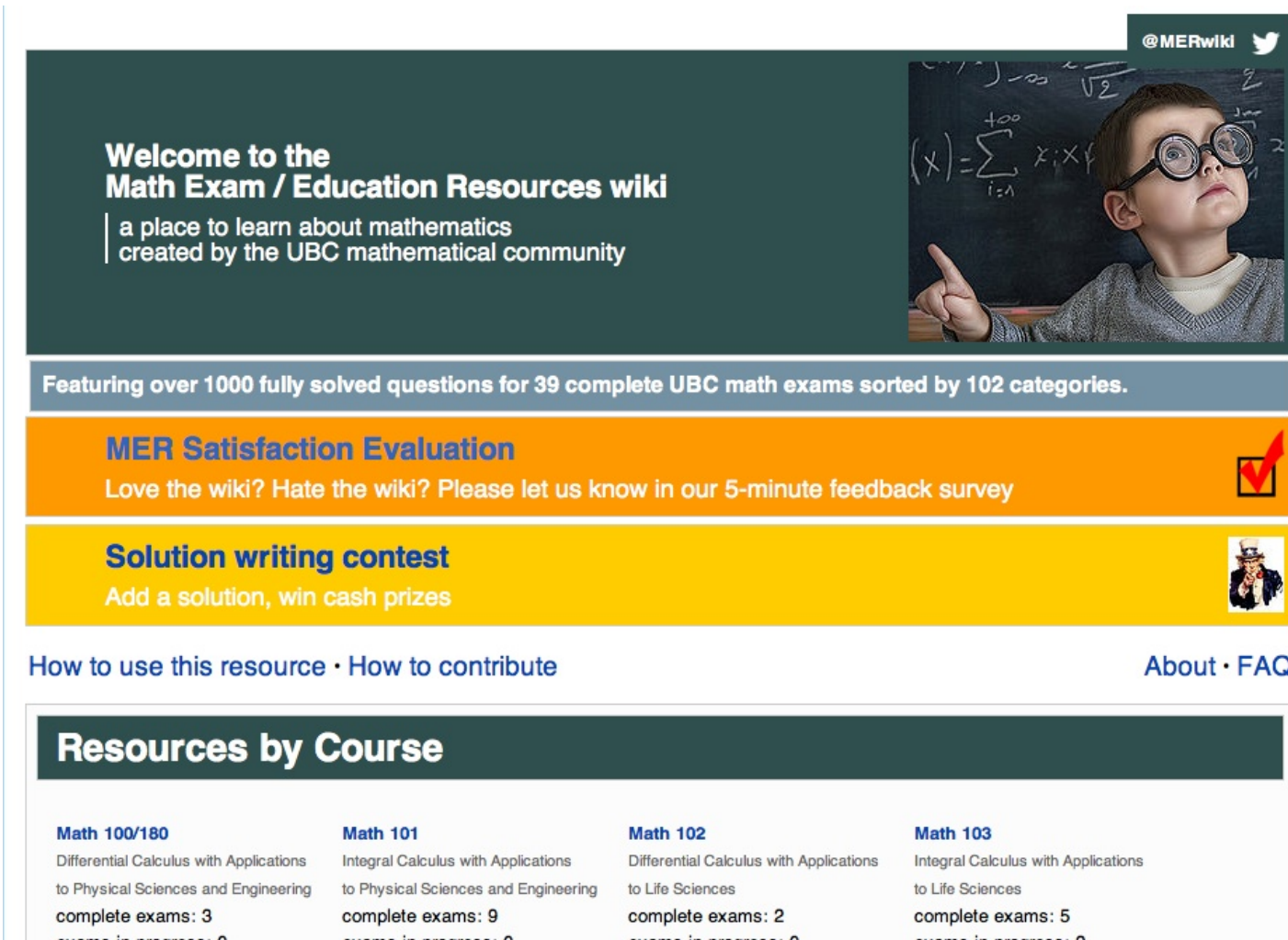


The Math Exam/Educational Resources Wiki

Carmen Bruni, Christina Koch, Bernhard Konrad, Mike Lindstrom, Iain Moyles, Will Thompson

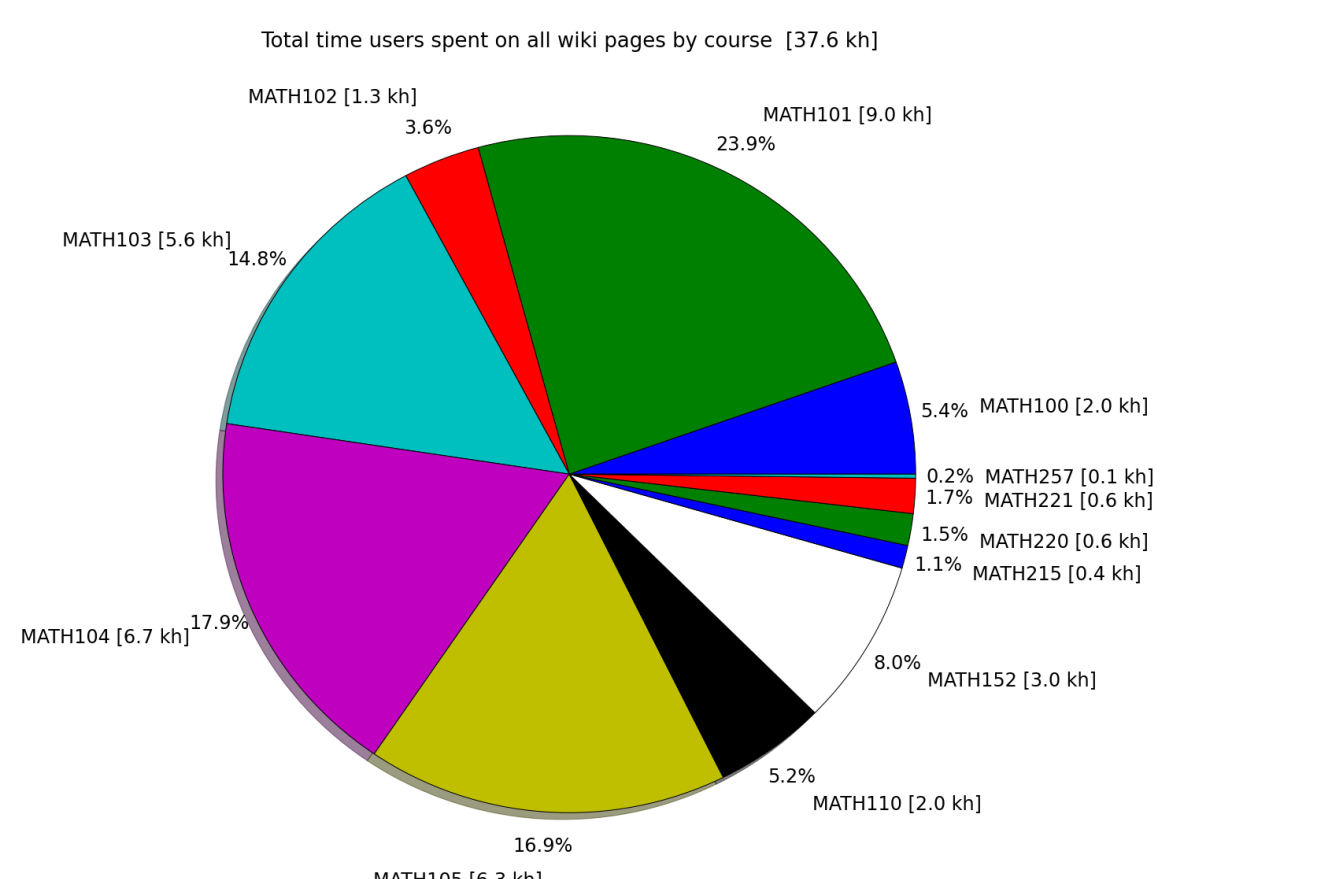
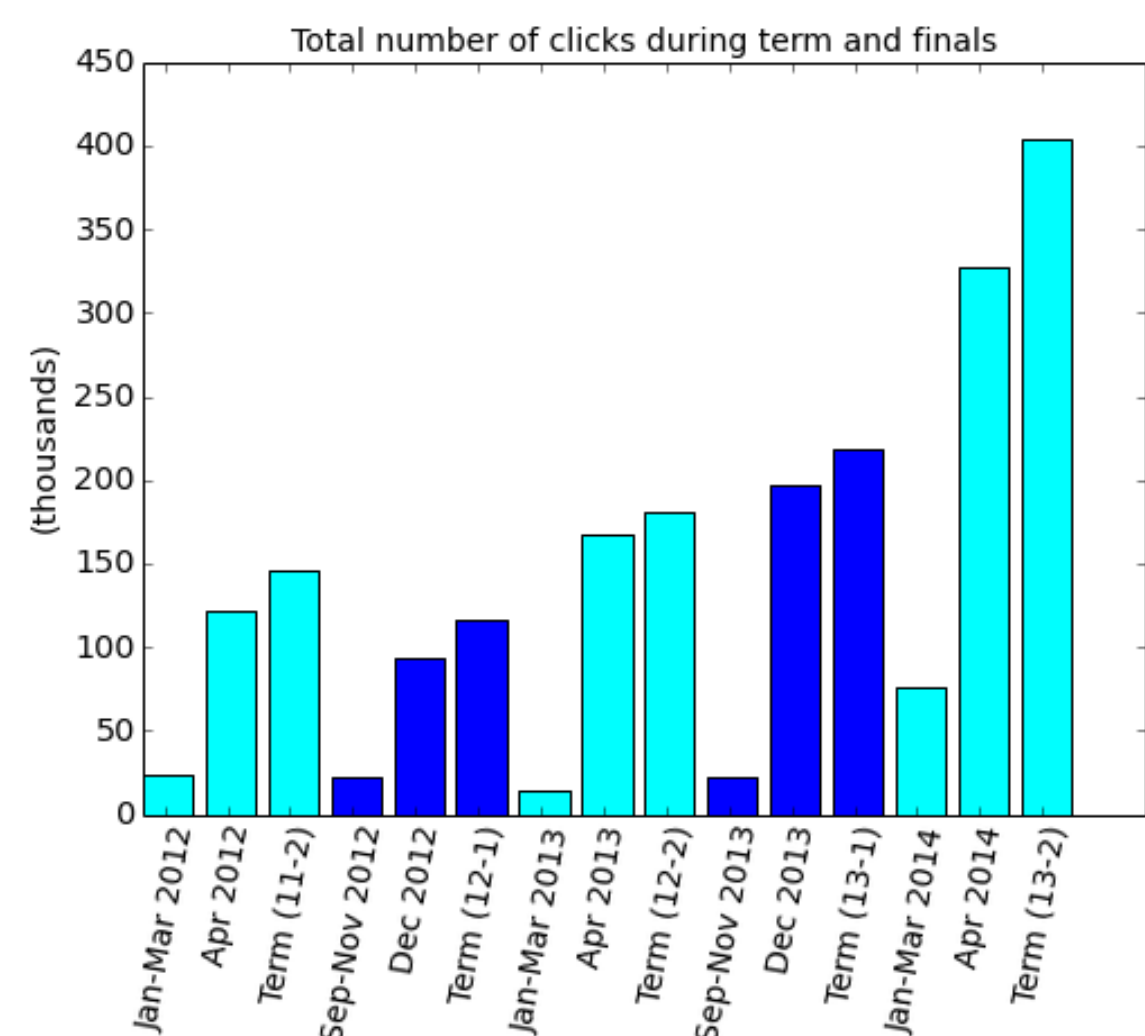
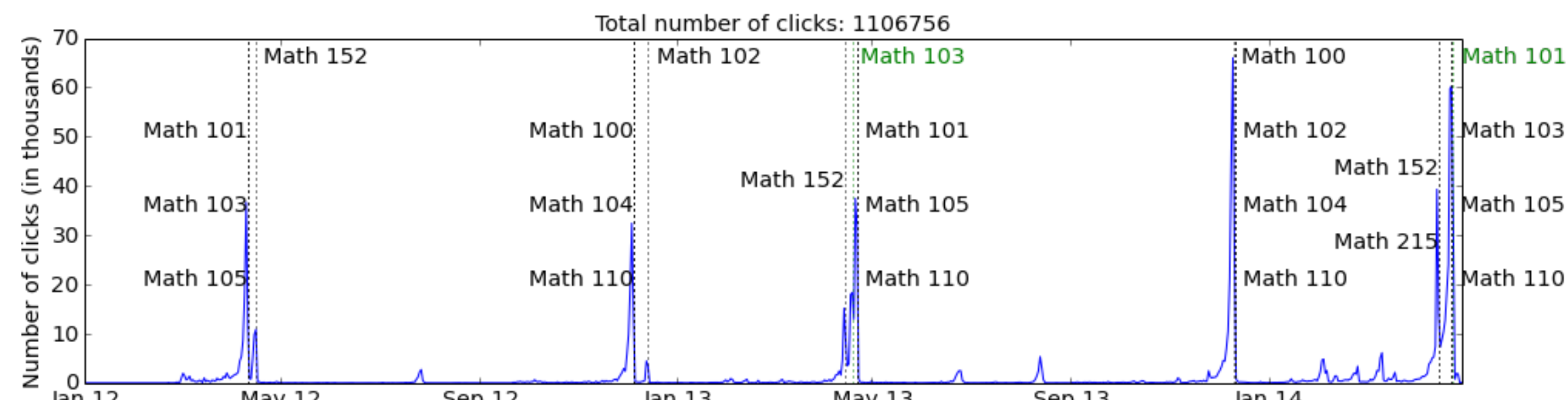
Department of Mathematics, The University of British Columbia



The Math Exam/Educational Resources wiki is a learning resource consisting of hints and solutions to previous UBC math exam questions, hosted on the UBC wiki.

Student Use

This graph displays total clicks per day over the lifespan of the MER wiki. The horizontal lines indicate dates of final exams.



Brief History of the MER Wiki

- Math Department makes past exams publically available.
- Previous to the wiki, exam solutions were sold to students in hard copy.
- February 2012: math graduate students decided to write and publish exam solutions on the UBC wiki, making them free.
- Goal: improve content quality, system of delivery, student interaction.
- The wiki structure is accessible, intuitive and simplifies collaboration.

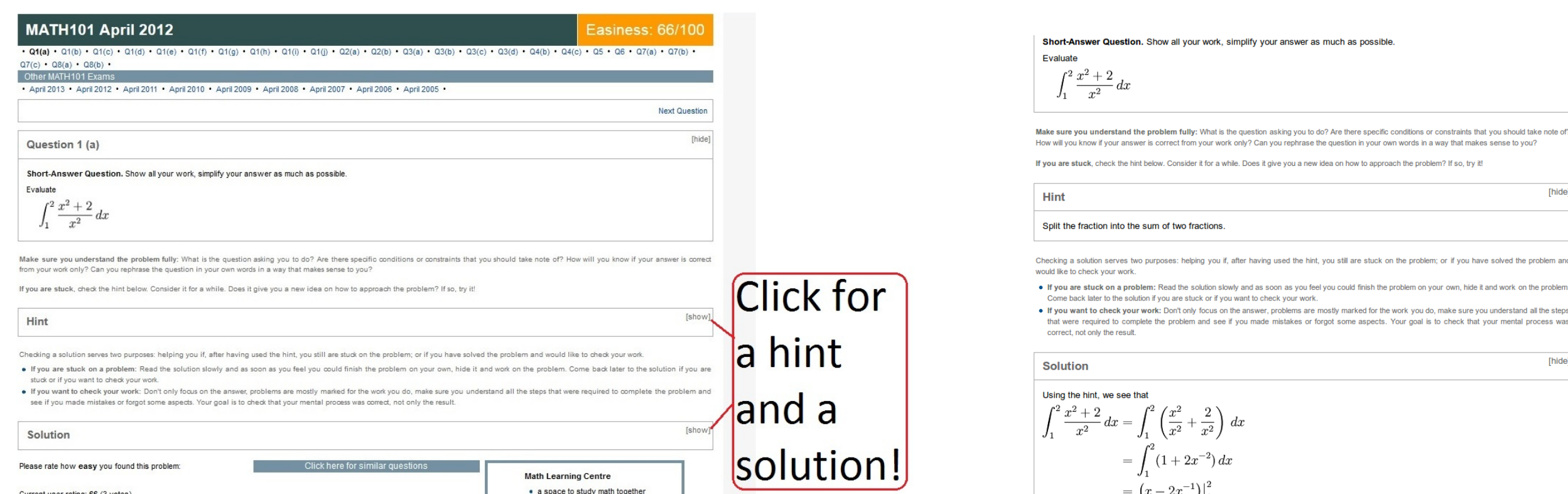
In 2 years, our volunteer team has...

- Solved 44 complete exams, composed of over 1100 fully written hints and solutions from about 35 contributors.
- Added several dynamic and interactive features over time, like tagging system, course syllabus, rating bar, videos, and more.

Our Vision and Goals

- Make this the best learning resource possible for undergraduate students taking math courses at UBC.
- Support instructors in the UBC Math Department.
- Be a role model for similar initiatives in other departments.
- Evaluate effectiveness and add features with TLEF funding.

Sample Question Page



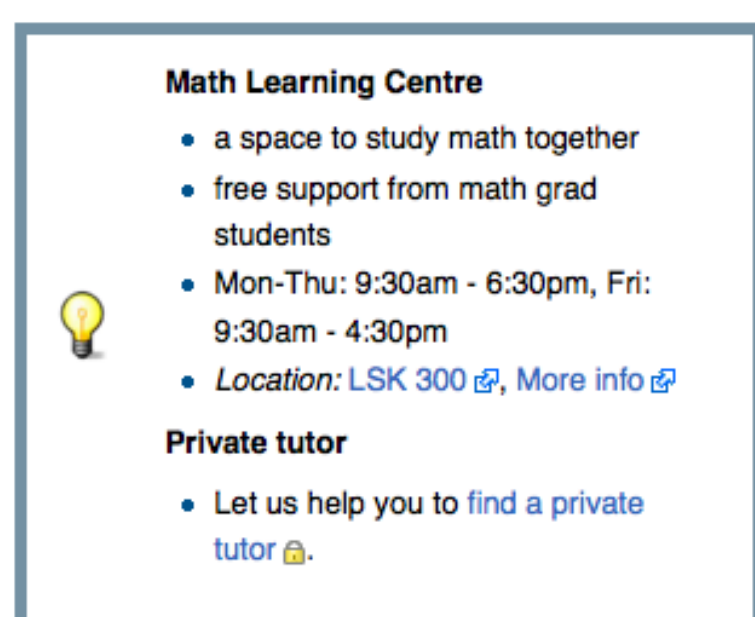
Peer-Reviewed Solutions

All content is peer reviewed. This is a *typical workflow*:

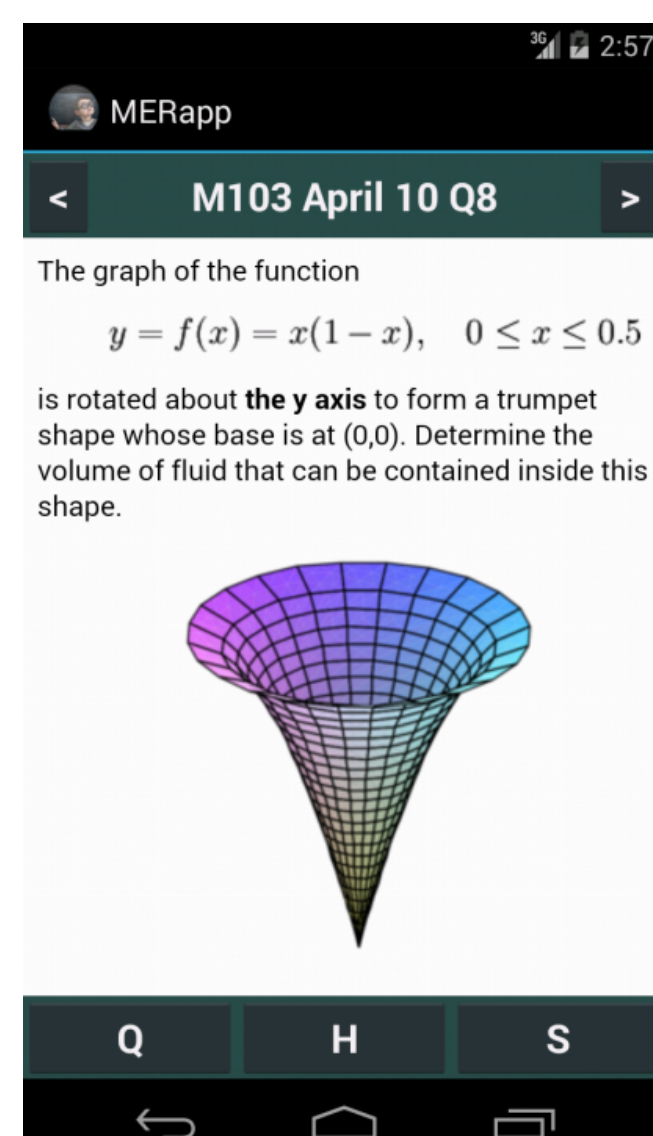
- Contributor A:** Adds question statement.
- Contributor B:** Reviews question statement. Also adds hint and solution.
- Contributor A:** Approves the hint, leaves a note on the discussion page that the solution should be more clear.
- Contributor C:** Edits solution.
- Contributor A:** Approves edited solution.

Additional help

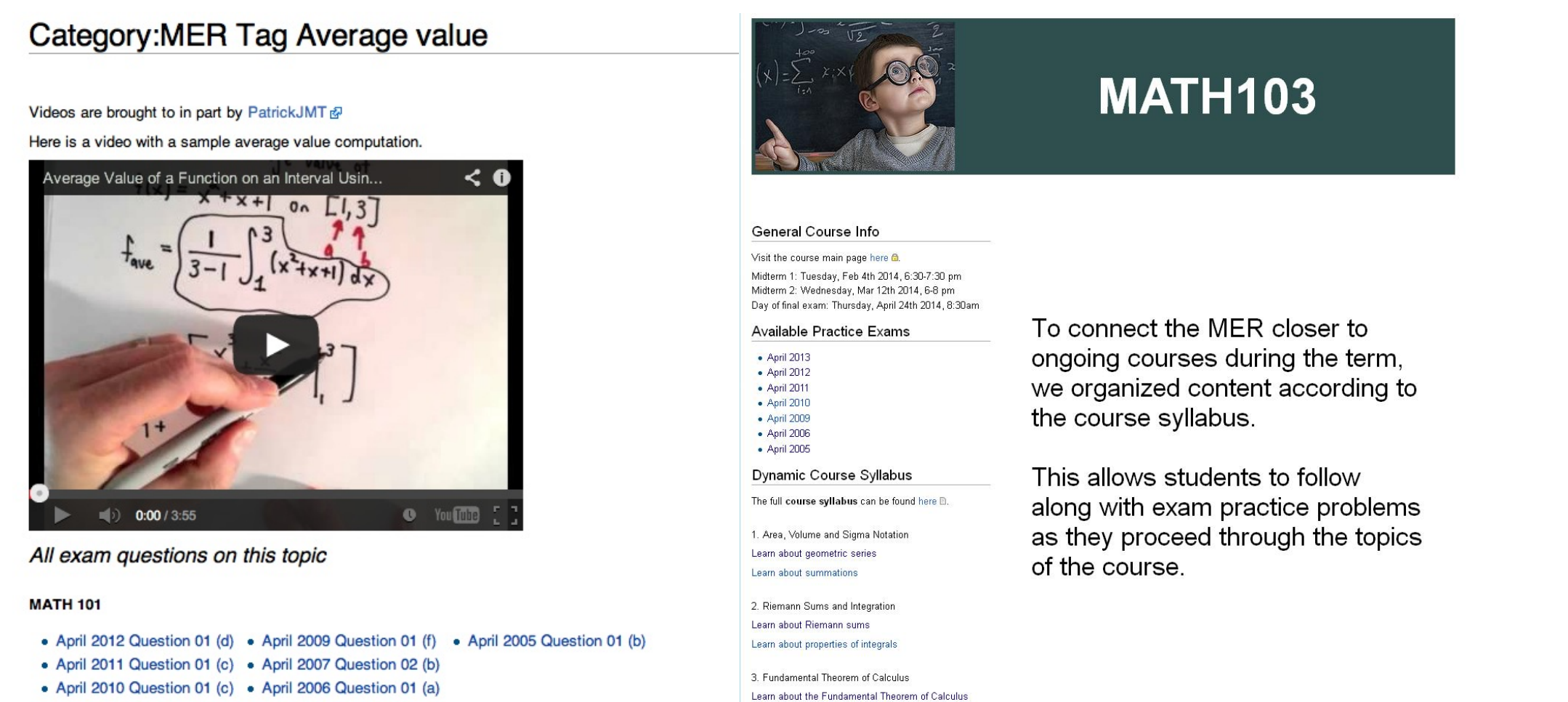
For the April 2014 exam period we offered four free prep sessions on general study tips and how to use the wiki most effectively.



Android app



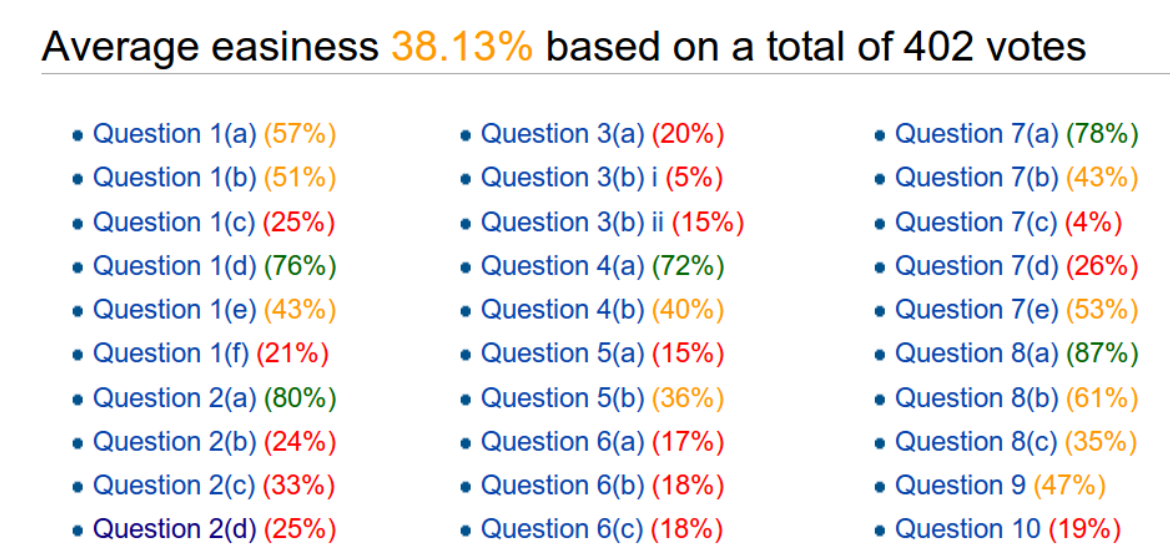
Topic Tags and Dynamic Syllabus



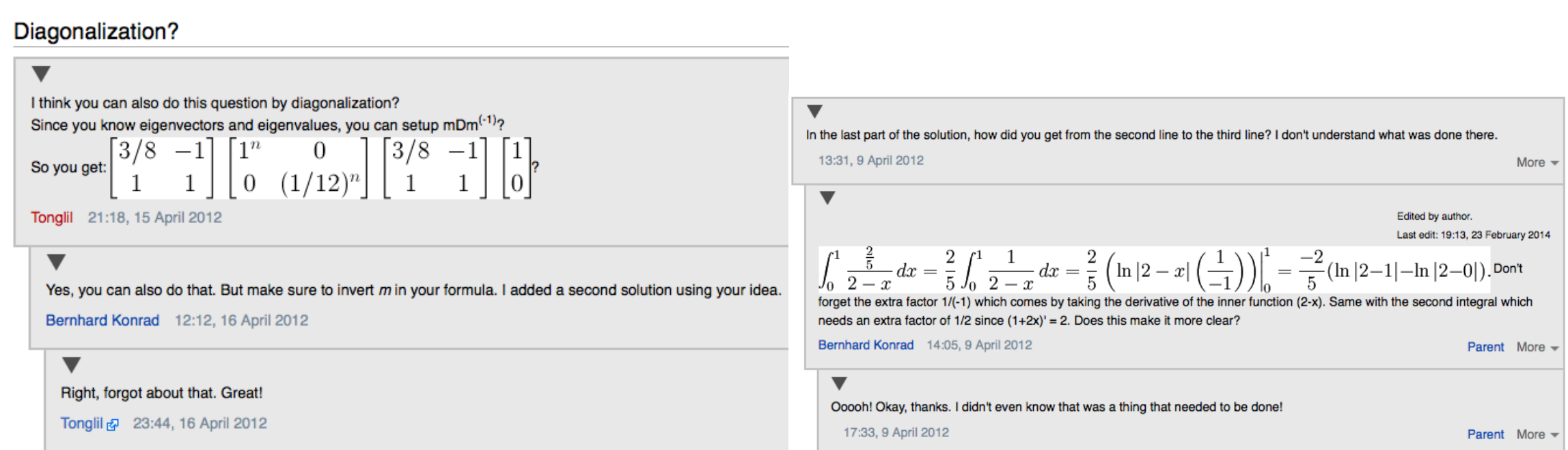
Rating Bar

Please rate how **easy** you found this problem:

Current user rating: **64** (10 votes)
You must **log in** or **register** to vote

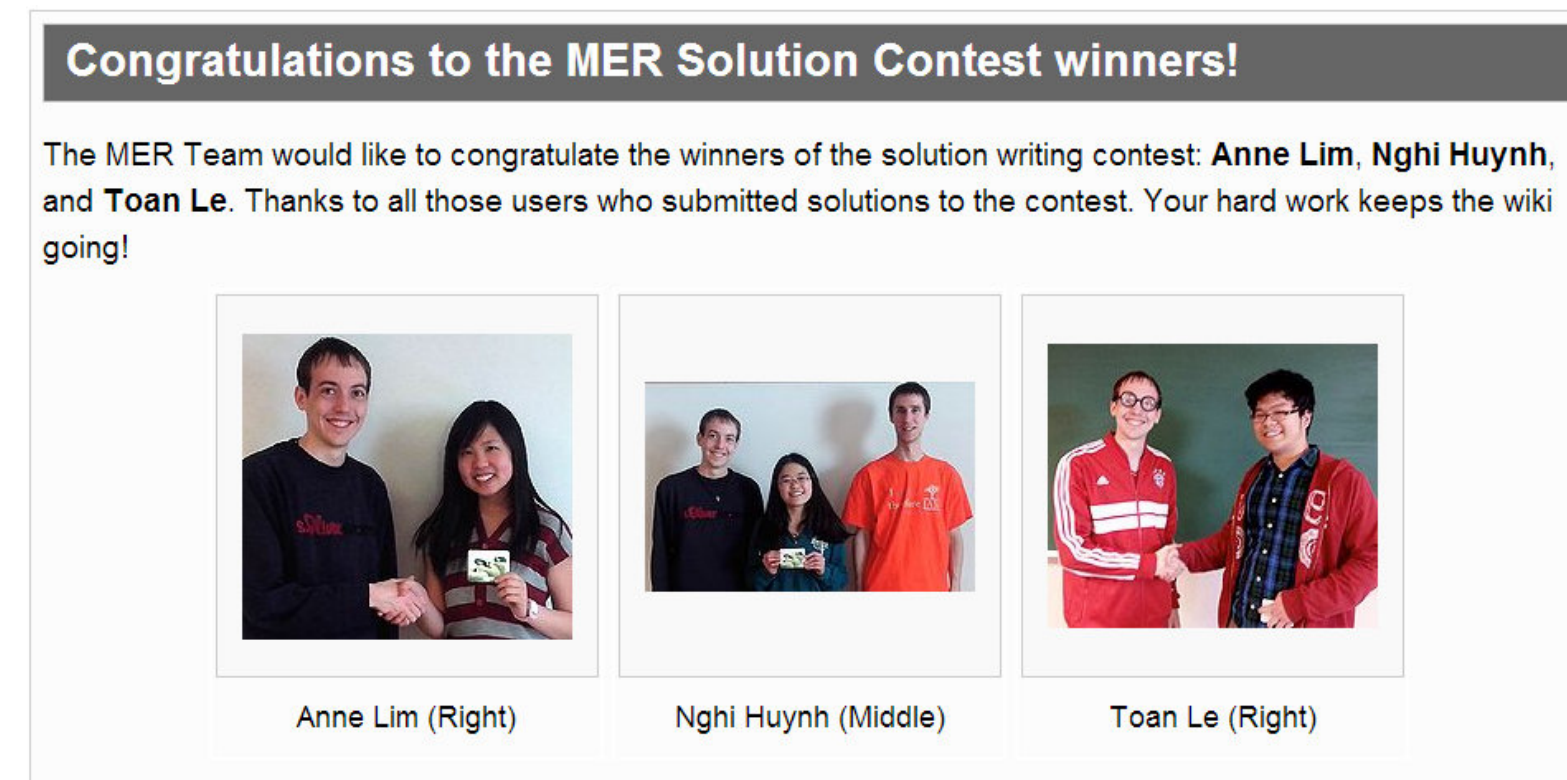


Student Questions and Comments



Solution Writing Contest

In an first contest students suggested 22 new solutions to win cash prizes.



Acknowledgements

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