

Online Seminar on Undergraduate Mathematics Education

New Materials from the Inquiry-Oriented Linear Algebra Project

The members of the Inquiry-Oriented Linear Algebra (IOLA) design team have recently completed their second round of large-scale, NSF-funded instructional task design. These research-based materials promote a student-centered approach to the teaching and learning of introductory linear algebra at the university level.

I will discuss the current state of the materials, including a discussion of the underlying research design theory and the research team's methods. I will provide a tour of the IOLA website and demonstrate some of its features. Finally, I will share tasks from one of the newest units, including examples of student reasoning and an overview of the instructional support materials.



Noon ET, October 21, 2025

Zoom link: <https://cornell.zoom.us/j/92415199317>, passcode olsуме

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