

Electronic Mathematics Education Seminar



The Illinois Geometry Lab: fostering a culture of research and community engagement in mathematics departments

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The Illinois Geometry Lab (IGL) was founded in 2011 to promote undergraduate research and community outreach in the Department of Mathematics at the University of Illinois. From modest origins, the IGL has grown substantially: Spring 2018 witnesses nineteen IGL-sponsored research projects involving over 80 undergraduates and 23 graduate students. The IGL has also quickly become the premier departmental organization focusing on engagement with and outreach to community organizations and schools. I will discuss the IGL's history and modus operandi, and the challenges and rewards of administering a large-scale undergraduate research enterprise within a research-oriented public mathematics department. The IGL partners with a number of similar undergraduate research labs across the country as part of the umbrella organization Geometry Labs United (GLU). I will briefly describe GLU's vision for a nationwide network of experimental research labs for undergraduates in the mathematical sciences.

To join the seminar, go to
<https://zoom.us/j/408581540>

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<http://math.mit.edu/seminars/emes/>