An Introduction to REUs

January 14, 2016
What I’ll be talking about

- What is an REU?
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- What would you get out of it?
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- What is an REU?
- What would you get out of it?
- How do you apply for one?
What is an REU?

- **R**: RESEARCH
What is an REU?

- R: RESEARCH
- E: EXPERIENCES
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- for
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- U: UNDERGRADUATES
What is an REU (slightly more detailed)

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- Usually aimed at students finishing Junior/Sophomore years (not always; a few programs take people between undergrad/grad school)
- Typically Work in a small group, mentored by faculty/grad students on a math research project
What sorts of projects?

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- Anthony Yasuda (Summer 2012, Chico State): "Reactive Rimming Flow of Non-Newtonian Fluids"
- Cal State San Bernardino REU 2016: Geometry and Knot Theory
What do I get out of it (Short Term)?

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- $$$ (generally room, board, plus a stipend)
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- (Maybe?) A publication
How do I Find Programs?

- Steve Butler maintains a massive list at https://sites.google.com/site/mathreuprograms/

Additional links (including slides from today) at www.math.ucr.edu/~costello/Summer.htm

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Also look at background (what courses they require), and if the problems look interesting.
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- Most Programs Require 1-3 faculty letters – ask early
- Some Programs (particularly NSF funded ones) require citizenship.