

RESEARCH FOR UNDERGRADUATES AT GEORGIA TECH

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- To get the most out the experience, self motivation is essential,
- You will need to learn background material by yourself, even to the point of mastering immunobiology.



SOME EXAMPLES OF REU TOPICS



Blair Dowling: Probabilistic Modeling of spread of HIV in the human body. Joint work with GT and Emory Professors.

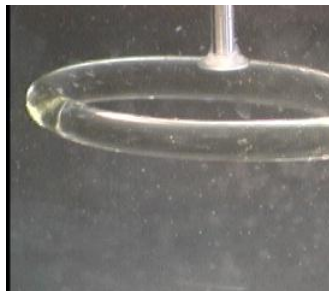


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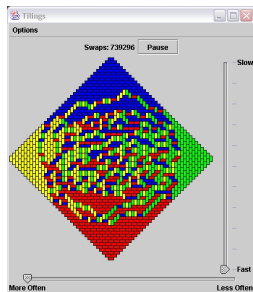
Ryan Hynd: Geometric Properties of Rotating Drops



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SOME EXAMPLES OF REU TOPICS



Brittany Hughes investigated Markov Chains on Aztec Diamonds. Worked with Professor Randall and graduate student Sam Greenberg

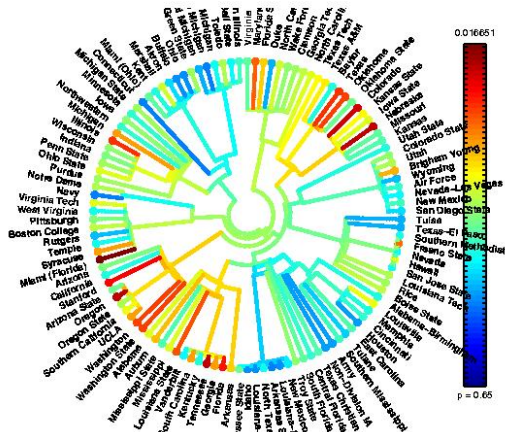


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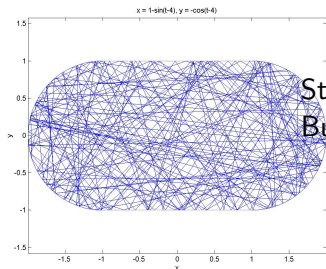
Thomas Callaghan ranked College Football Teams using random monkeys.



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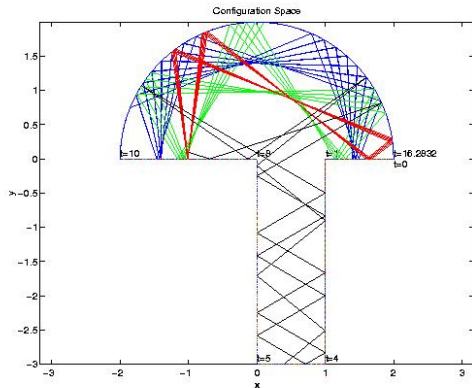
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Steven Lansel, with Professors Mucha and Bunimovich, models billiard tables.



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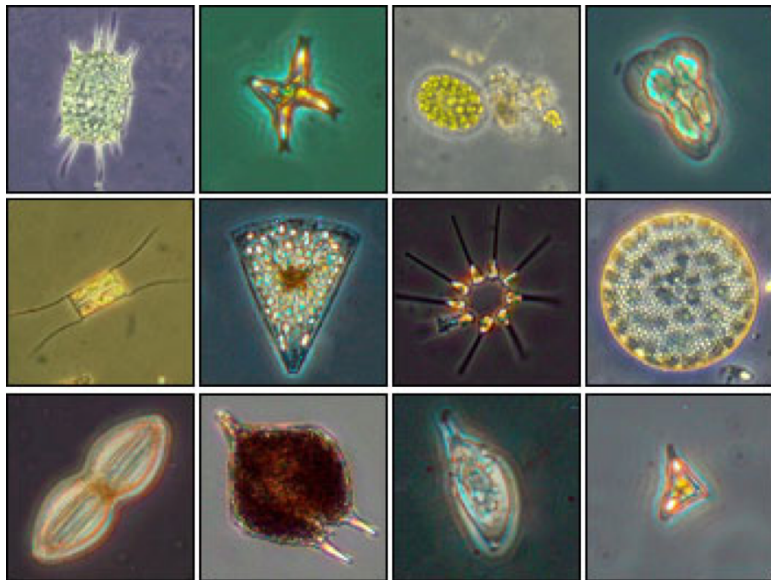


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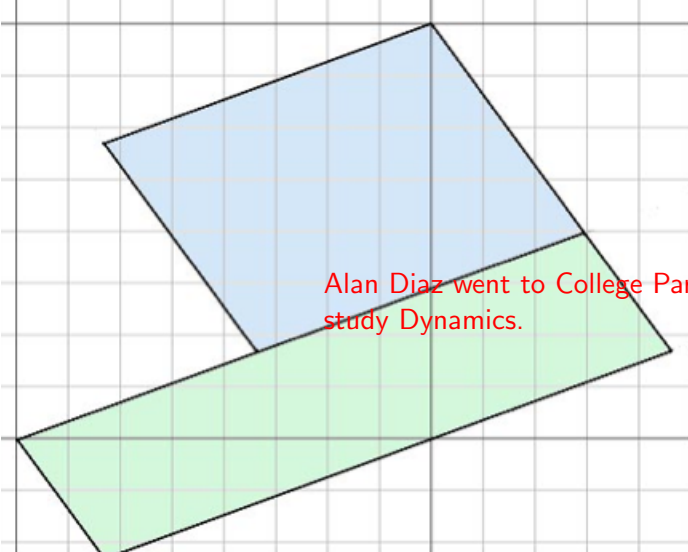
Leo Dachevski and Julie Bjornstad worked with Math and Biology Professors to model growth of plankton in oceans.



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Alan Diaz went to College Park Maryland to study Dynamics.



SOME EXAMPLES OF REU TOPICS

Stephanie Cheung and Caroline Seabrook studies grade distributions at Georgia Tech, using important numerical techniques.



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- GT has its own awards, available to ALL students. See the web site at undergraduateresearch.gatech.edu .



STUDENT ENROLLMENT IN UNDERGRAD RESEARCH COURSES

TABLE: Undergraduates involved in REU related Coursework

| | 97 | 98 | 99 | 00 | 01 | 02 | 03 | 04 |
|---------------------|----|----|----|----|----|----|----|----|
| Total participation | | | | 5 | 8 | 25 | 23 | 19 |
| Women | | | | 2 | 3 | 4 | 3 | 8 |
| Under represented | | | | | 1 | | 4 | |

These numbers are computed on a calendar year basis.



STUDY ABROAD OPTIONS: BUDAPEST SEMESTERS IN MATHEMATICS

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- Two GT related Fulbright scholars (David Eger and Adam Marcus, both 03) have been at Budapest.



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- **But you (and your parents) should be adventurous travelers!**



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- You could be the first GT student to enroll in this program.



YOU DON'T HAVE TO GO THIS ROUTE



Yakov Kerzhner just focused on solving problems, and got very good at it. He is in graduate school at NYU.

