



Stony Brook University (= State University of New York at Stony Brook)

Graduate Program (MS & PhD) @ the Department of Applied Mathematics & Statistics (AMS)

Located on the beautiful north shore of Long Island, 1 hour by train to New York City

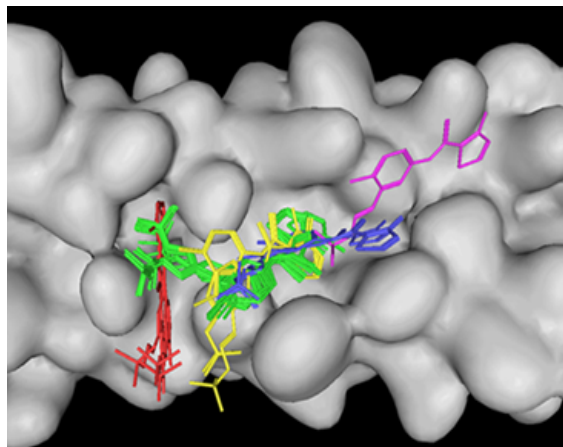
AMS Department, Important Facts:

- Rankings: NRC (2010), top rated among **applied math** PhD programs
- USA Today (2018): ranked 4th undergraduate program in **applied math**
- 27 tenured / tenure track professors, 5 distinguished professors
- Collaborations with *Brookhaven National Lab* & *Cold Spring Harbor Lab*
- Significant external funding: National Science Foundation, Department of Energy, National Institute of Health, Department of Defense, Department of Education, New York State funds, industry funds
- Participation in large national and international research projects

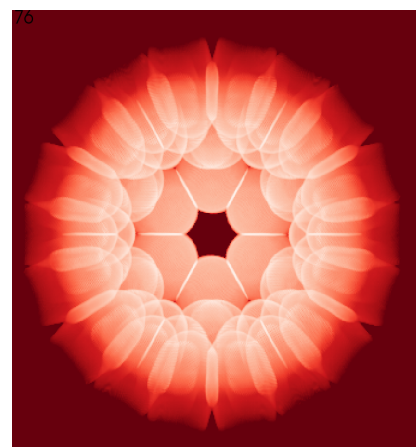
Research Areas

Computational & Applied Mathematics:

- Algorithms, high performance computing
- Big data systems
- Computational physics



Left:
Simulation for
drug design
Right:
Simulation of
plasma liner



Computational Biology:

- Structural & systems biology; Drug design

Further inquiries can be directed to:
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Statistics:

- Data Science
- Financial statistics, actuary
- Biostatistics
- Predictive analysis

Operations Research:

- Decision science
- Optimization
- Smart energy

Quantitative Finance:

- Hedge funds & trading
- Risk management

Tuition Per Academic Year:

\$11,300 for NY residents
\$23,100 for nonresidents

Fall 2021 MS Application Due Date:

4/1/2021: International students
6/1/2021: Domestic students

<https://www.stonybrook.edu/commcms/ams/>

https://www.stonybrook.edu/commcms/ams/graduate/_resources/applying-to-the-AMS-grad-program.php