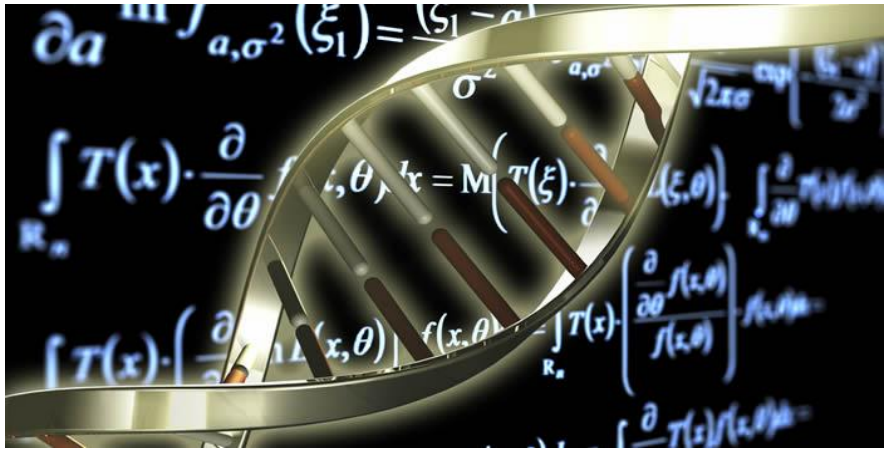
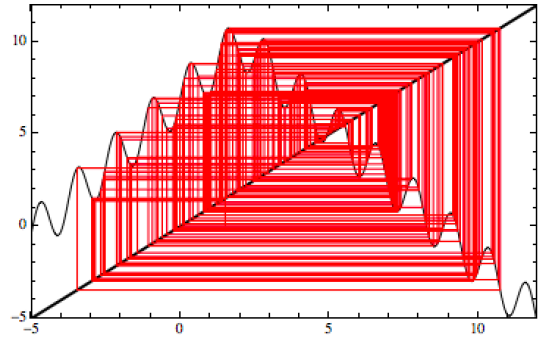
31S: Calculus for Sciences

The Power of Mathematics + the Excitement of Science

MWF 10:00-10:50AM (B. Shtylla)

Integration Techniques and their Applications Infinite Sequences/Stability Analysis





Overview. This course covers the foundational material for calculus II (31)—but motivated through real biological, biochemical, and physical problems.

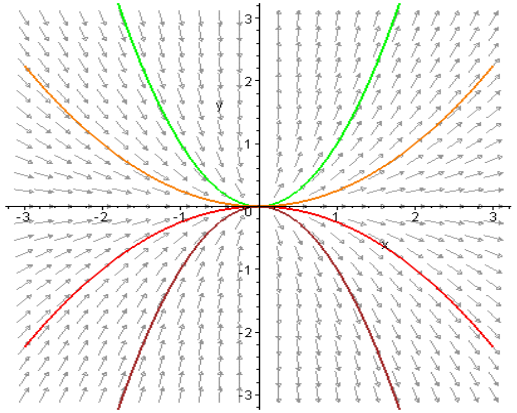
Two main goals in Fall :

1. Gain a thorough grounding in concepts and applications of calculus.

2. Understand **how**, **when** and **why** calculus can be used to model natural phenomena.

Follow-up Math 32S offered in Spring 2018 for a full course sequence, with direct pathway to Differential Equations (102) and Math Modeling (183).

Differential Equations Modeling



Probabilistic applications