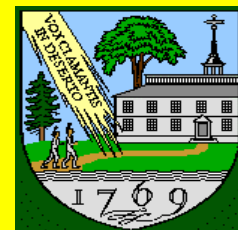
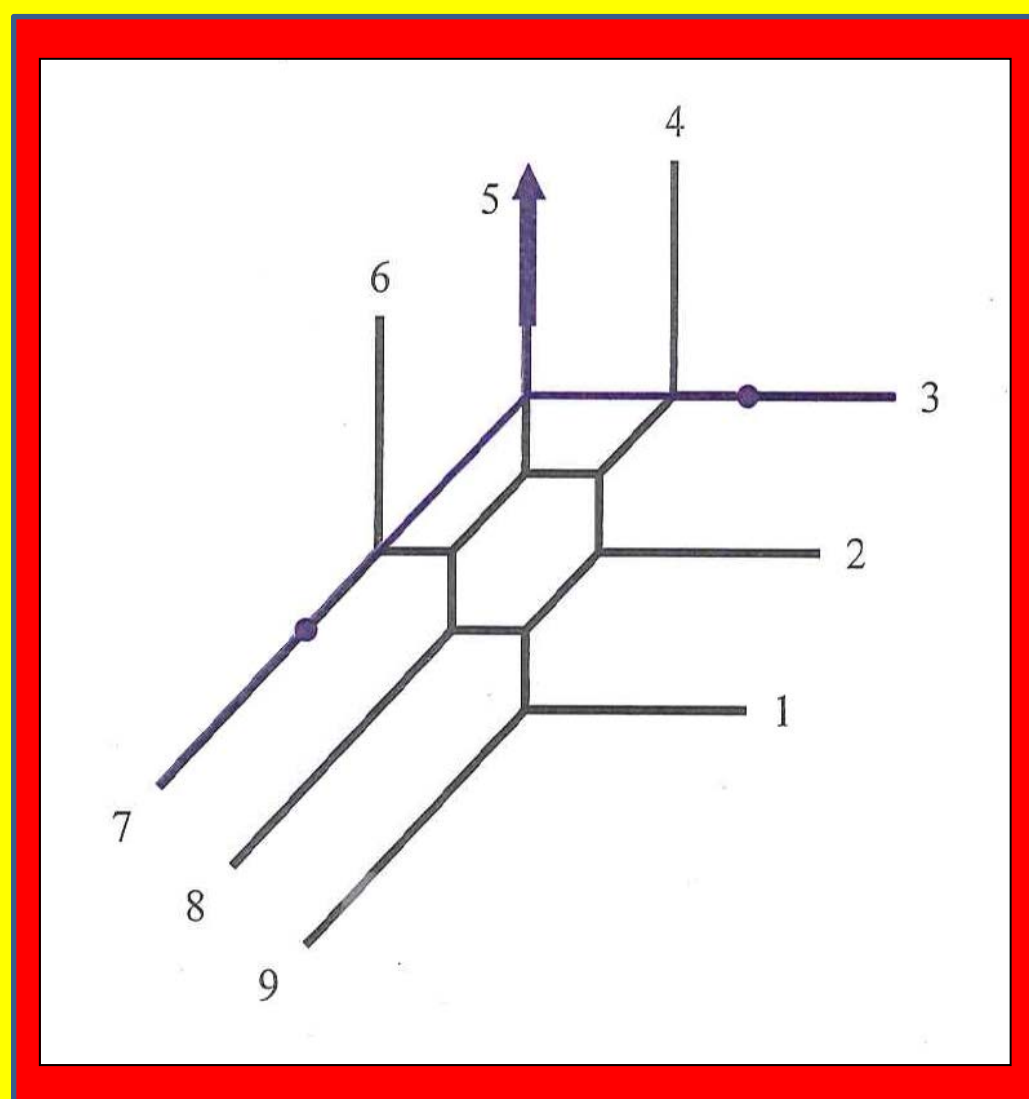


2012 Kemeny Undergraduate Lecture



TROPICAL MATHEMATICS

In tropical arithmetic, the sum of two numbers is their maximum and the product of two numbers is their usual sum. Many results familiar from algebra and geometry, including the Quadratic Formula, the Fundamental Theorem of Algebra, and Bezout's Theorem, continue to hold in the tropical world. In this lecture we learn how to draw tropical curves and why evolutionary biologists might care about this.



Tuesday, May 1, 2012
7:00 - 8:00 PM

Arvo J. Oopik 1978 Auditorium (Room 100)
Class of 1978 Life Sciences Center

Bernd Sturmfels

University of California, Berkeley

Bernd Sturmfels, Professor of Mathematics, Statistics and Computer Science: honors include a National Young Investigator Fellowship, a Sloan Fellowship, and a David and Lucile Packard Fellowship, a Clay Senior Scholarship, an Alexander von Humboldt Senior Research Prize, the SIAM von Neumann Lecturership, and a Sarlo Distinguished Mentoring Award. Recently, he served as Vice President of the American Mathematical Society. A leading experimentalist among mathematicians, Sturmfels has authored ten books and over 200 research articles, in the areas of combinatorics, algebraic geometry, symbolic computation and their applications. He has mentored 35 doctoral students and numerous postdocs. His current research focuses on algebraic methods in optimization, statistics and computational biology.



Everybody Welcome!

For more information:

<http://www.math.dartmouth.edu/activities/kemeny-lectures/>