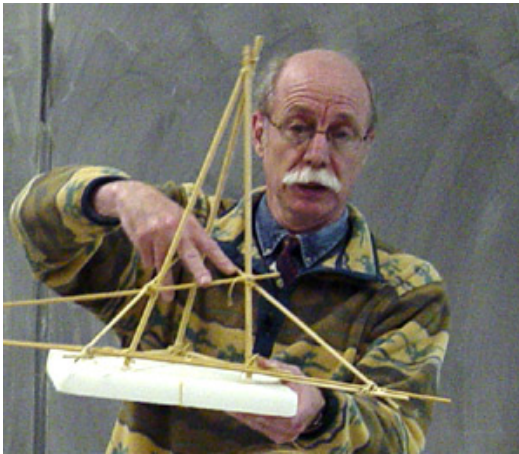


Two Workshops with Martin Flashman

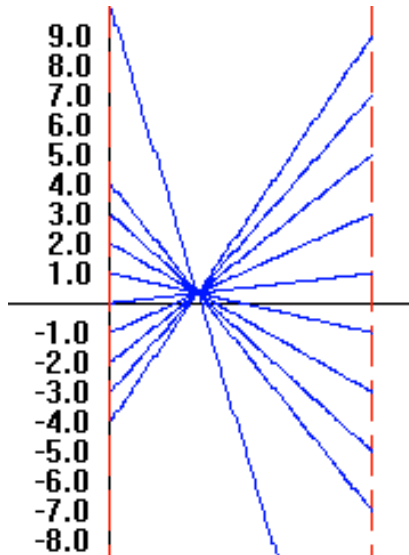
Professor of Mathematics at Humboldt State University



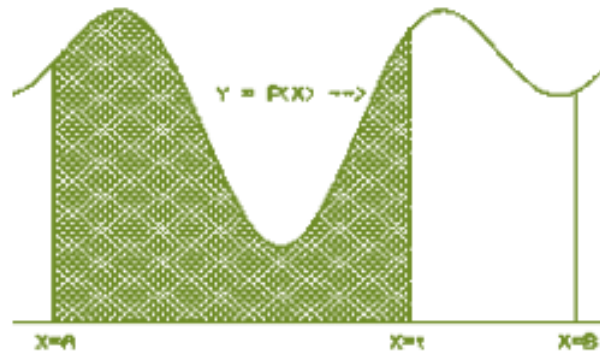
Fri., July 6: Exploring Functions with Mapping Diagrams

Sat., July 7: Introduction to Sensible Calculus: A Thematic Approach

Both workshops **9:00am-4:00pm**, located at
The Professional Development Center
Canyons School District Support Services Building
9361 South 300 East
Sandy, UT



How is this
Mapping
Diagram a
powerful
pedagogical
tool for
teaching
functions?



How is a
differential
equations
approach to
Calculus more
intuitive than the
traditional
approach?

The Schedule

Friday, July 6: A Different Approach to Understanding Functions

- 9:00-10:30.....Linear Mapping Figures
- 10:30-11:00.....Break: Food and Thought
- 11:00-12:00.....More on Linear Mapping Figures
- 12:00-12:30.....Lunch (in-house)
- 12:30-2:00.....Mapping Figures for Logarithmic and Exponential Functions
- 2:00-2:30.....Break: Food and Thought
- 2:30-4:00.....Mapping Figures for Trigonometry and Derivatives

Saturday, July 7: Amazing Results for AP Calculus

- 9:00-10:30.....Calculus Mapping Figures
- 10:30-11:00.....Break: Food and Thought
- 11:00-12:00.....Differential Equations, Approximation, and Fund. Theorem of Calculus
- 12:00-12:30.....Lunch (in-house)
- 12:30-2:00.....Continue previous; Pedagogy: Fundamental concepts, not 'foundations'
- 2:00-2:30.....Break: Food and Thought
- 2:30-3:30.....Amazing Results: Newtons' estimate for $\ln(2)$; Integral of $\exp(-x^2)$
- 3:30-4:00.....Mapping Figures and Technology

REGISTRATION for USOE credit: <https://usoe.truenorthlogic.com>

July 6 is Course # 34981 (section # 37917)

July 7 is Course # 34982 (section # 37918)

For Non-USOE credit:

RSVP to

cangelos@math.utah.edu