Mathematics majors can study numerical analysis in SM425, statistics in SM339 and SA441, and modeling in SA367.

April is Mathematics Awareness Month. Are you aware?

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WELCOME NEW MATHEMATICS MAJORS!
These 34 members of the class of 2005 are now officially math majors.

BASHELOR ANDREW C  BLACKMAN MICHAEL C
BOODAKIAN DAVID K  BRASHER NATHAN F
BROOKS PATRICK A  BROWN TALMAGE C
CANTU JOSEPH E  COLLINSWORTH
MATTHEW D
COX RAMSEY P  DICKSON MICHELLE L
GILL JENNIFER M  HENRY CLAIRE E
HOOD MICHAEL A  IRONS JERRY W
LENNON CLIFTON G  LEWIS DAVID W
LOPEZ IAN M  MCGOWAN JASON M
MCMATH STEPHEN S  MILLER CHRISTOPHER R
MITCHELL ALLISON R  MULCAHY LIAM F
NICELY JOSIAH E  PURDY SEAN E
ROACH MICHAEL L  ROSS BRIAN A
SHERIDAN NEAL J  SODERLUND KARL A
SOPKO JAMES J  TUKARSKI EVA M
TUTTLE RYAN J  VOLNEK CHRISTOPHER M
WELCH MATTHEW C  YOUNG THOMAS J

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12TH ANNUAL SERVICE ACADEMY MATHEMATICS CONFERENCE AT USNA THIS WEEKEND

Seventeen cadets from USMA and USAFA will join seven Midshipmen in presenting the results of their mathematical research. Talks will be in Chauvenet Hall on Friday, April 5, and Saturday morning, April 6. The Naval Academy participants will be Philip Ely, Richard Linnell, Andrew Privette, Tyler Tennille, Eric Rittermann, Cole Muller, Benjamin Heineike, and Matthew Ahlert. For details, see LCDR Lucas, or check the Math Dept web page.
Quick problem: For a one foot cube, what's the length of the shortest path along the surface of the cube from one corner to the diagonally opposite corner?

Last issue's problem: If you break a line segment into three pieces by randomly choosing two “cut points,” what is the probability that the three pieces can be rearranged to form a triangle?

If the segment has length 1, the pieces won't form a triangle if any one of them is longer than ½. If the cut points are x and y units from the left end, then this happens if both x and y are bigger than ½, both are less than ½, or if their difference is more than ½. That means you get a triangle when (x,y) is in one of the two central triangles in the graph above; their total area, and the required probability, is ¼.

Visit the Mathematics Department web site at http://www.usna.edu/MathDept/website/index.htm