

Topic	Advisor
The Exotic Properties of e and pi	Prasad
Response Surface Methods	Rasmussen
Application of the Hamiltonian Function: Quantum vs. Classical	Kannenberg
Stability of Pendant Liquid Drops	Pennell
Seven means on the half circle	Levasseur
Fibonacci numbers and the Golden Ratio, Golden Rectangle and Golden Spiral with Sketchpad	Stick
Numerical Solution of a Nonlinear Partial Differential Equation	Mirie
Nettie Sets and Domination Structures	Levasseur
The Golden Ratio and Fibonacci Series in Science and the Arts	Doerr
Experiment with Analysis Using Taguchi Method	Rasmussen
Message Authentication Codes	Klain
An Application of Game Theory to Economics	Pennell
Characterization of the Magnetic Properties of Materials at Microwave Frequencies	Gatesman
LU Decomposition Using Matlab for the Optimization of GPS Data	Byrne
A Model of 3D Object Recognition Using the Discriminant Function	Jones
Prediction of NBA Champion 2005 by the Linear Model	Rasmussen
Directed Study in Number Theory	Levasseur
Theory of Options Pricing and Risk Management	Samarov
Cryptanalysis of Vigenere Ciphers	Klain
Analysis of Keno Winning Number Distribution	Rasmussen
Characteristics of Speech	Byrne
Using C++ Programming to Show How to Solve Actuarial Exam Problems	Rasmussen
Teaching of Mathematics/Mathematics of Teaching	Levasseur
Study of Curve Fitting and Algorithms	Pennell
On the Matrix Equation $e^A e^B = e^{(A + B)}$	Kheifets
Game Theory	Pennell

Using C++ Programming to Show How to Solve Actuarial Exam Problems	Rasmussen
A Study of the Game of Pool	Pennell
Polar Duality and Dual Cones	Klain
Prediction of the 2006 Major League Baseball Champ using Statistics	Rasmussen
Tracking and Mapping	Klain
CVS Script Calls and Returns	Rasmussen
Differences in Athleticism of Rugby Players	Rasmussen
Networks	Klain
Model of Coffee Consumption	Rasmussen
Transition Times of Partially Ordered Markov Chains and Their Cartesian Products	Beke
Logical Fallacies	Beke
The Mechanics of Blood Flow Through Capillaries	Pennell
The History and Theory of Perfect Numbers	Levasseur
Finding Square Roots in Modular Arithmetic	Klain
How Major League Baseball Stadium Dimensions Affect Batting Statistics	Samarov
Selected Solutions of the Navier-Stokes Equations	Shubov
Predicting College Football 2006 - 2007	Rasmussen
Implementation of Gosper's Continued Fraction Arithmetic	Klain