

Award Winning Presentations
from the
MAA MathFest 2011 Undergraduate Student Paper Sessions
Lexington, KY, August 4-6, 2011

Speaker(s) & Affiliation	Presentation Title	Session #	Award
James Derrick Peiskee Tarleton State University	Optimal Control of the Spread of Cholera	3	BIO-SIGMAA Janet L. Andersen Award
Nathan Yandala Bishop St. Olaf College	Rational Equidistribution	19	Council on Undergraduate Research (CUR) Award
Justin Halverson University of Wisconsin-Stout	Dead end depth in Thompson's group F	1	MAA Outstanding Presentation
Alexis Johnson Grand Valley State University Amelia Stonesifer St. Olaf College	Word length in alternate presentations of Tompson's group F	1	MAA Outstanding Presentation
Lisa Marie Kaylor Westminster College	Straightline Hanoi	2	MAA Outstanding Presentation
Miranda Henderson Benedictine University	Comparison of Boolean and Continuous Dynamics of Three-gene Regulatory Networks	2	MAA Outstanding Presentation
Holly Arrowood Furman University	The Isoperimetric Inequality on Constant Gaussian Curvature Surfaces	4	MAA Outstanding Presentation
James A. C. Howe Walla Walla University	The Mathematics of Juggling: An Introduction	5	MAA Outstanding Presentation
Brandon Alberts Michigan State University	On the Properties of a Quasi-Fibonacci Polynomial Sequence	7	MAA Outstanding Presentation
Jon Calhoun Arkansas State University	Dynamic Contact of Viscoelastic Rods	8	MAA Outstanding Presentation
Theodore Dokos Ohio State University	Inversion Wilf Equivalence in Permutations	9	MAA Outstanding Presentation
Jie Ling Liang University of Central Florida	Congruences for The Number of Smallest Parts in the Partitions of n	11	MAA Outstanding Presentation
Nathaniel Lawton Coursey Kennesaw State University	Mutually Orthogonal Sudoku Latin Squares	15	MAA Outstanding Presentation
Miguel A. Fernandez Flores Truman State University	Geometry of Surfaces with Densities	16	MAA Outstanding Presentation
Clark Bowman University of Rochester Ada Yu University of Puget Sound	Can Iterative Voting Solve the Separability Problem in Referendum Elections?	17	MAA Outstanding Presentation
Karleigh Cameron Michael James Gustin John Holden Stacy Siereveld Central Michigan University	Investigation of Second Generation Wavelets	20	MAA Outstanding Presentation
Rachel Elizabeth Bachman Clarkson University	Quantum walk on graphs and perfect state transfer	21	MAA Outstanding Presentation
Kevin He University of California, Berkeley	Modeling the DNA Unknotting Action of Type II Topoisomerases	17	Society of Industrial and Applied Mathematics (SIAM) Award
Enela Aliaj Benedictine University	An Edge-weighted Model for the Spread of a Non-indigenous Species	3	SIGMAA on Environmental Mathematics Award