

Report Information				
Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	0905818	066470972	2010 / 1	No

Award Recipient Information	
Recipient DUNS Number 066470972	Recipient Address 1 107 SAMFORD HALL
Recipient Account Number 219041	Recipient Address 2
Recipient Congressional District 02	Recipient City AUBURN
Parent DUNS Number 066470972	Recipient State AL
Recipient Type 2U.95.G6.M8.OH.VW	Recipient ZIP Code + 4 368490001
Recipient Legal Name AUBURN UNIVERSITY	Recipient Country USA
Recipient DBA Name	

Project / Award Information	
Funding Agency Code 4900	Total Number of Sub Awards less than \$25,000/award 0
Awarding Agency Code 4900	Total Amount Sub Awards less than \$25,000/award 0.00
Program Source (TAS) Code 49-0101	Total Number of Sub Awards to Individuals 0
Sub Account Number for Program Source	Total Amount of Sub Awards to Individuals 0.00
CFDA Number 47.082	Total Number of Payments to Vendors less than \$25,000/award 0
Amount of Award 116653.00	Total Amount of Payments to Vendors less than \$25,000/award 0.00
Award Date 08/17/2009	
Award Description The proposed research is divided into five parts: (1) Investigate Hausdorff dimension of minimal sets of known counterexamples to the Modified Seifert Conjecture; (2) Investigate periodic orbits and periodic points in neighborhoods of planar adding machines and in neighborhoods of solenoids in the three-dimensional Euclidean space; (3) Prove a special case of the Bounded Total Curvature Conjecture; (4) Study pseudo-solenoids; and (5) Study fixed points in a continuum invariant under an orientation reversing homeomorphism of the plane.	

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Project Information

Project Name or Project/ Program Title	Activity Codes (NAICS or NTEE-NPC) (up to 10)
<p>Project Name or Project/ Program Title Topological Solutions</p> <p>Quarterly Activities/ Project Description The graduate student will collect initial data on the math olympiad from countries participating in the International Math Olympiad. She will concentrate on identifying the role of professional women in the Math Olympiad in various countries, their involvement in training camps and authorship of problem books. She will collect data on the cost of obtaining Math Olympiad books for the PI in languages from which the PI can translate herself (Russian, Polish, and other Slavic languages, Swedish and other Scandinavian languages, French and German). The graduate student should complete this work by April 20. The PI will attempt to set up a meeting with an NSF officer of the ADVANCE program, Dr. Jessie DeAro or Dr. Kelly Mack, to discuss the implications of the data collection. The PI will continue research in topology, geometry and dynamics.</p>	<p>Activity Code 1 B43 - NTEE</p> <p>Activity Code 2</p> <p>Activity Code 3</p> <p>Activity Code 4</p> <p>Activity Code 5</p> <p>Activity Code 6</p> <p>Activity Code 7</p> <p>Activity Code 8</p> <p>Activity Code 9</p> <p>Activity Code 10</p>
<p>Project Status Less than 50% completed</p> <p>Total Federal Amount ARRA Funds Received/ Invoiced 17193.16</p> <p>Number of Jobs 0.33</p> <p>Description of Jobs Created Graduate Assistant</p> <p>Total Federal Amount of ARRA Expenditure 21805.77</p> <p>Total Federal ARRA Infrastructure Expenditure 0.00</p> <p>Infrastructure Purpose and Rationale</p>	

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Infrastructure Contact

Name	Street Address 1
Email	Street Address 2
Phone	Street Address 3
Ext	City
	State
	ZIP Code + 4

Primary Place of Performance

Address 1	Department of Mathematics and Statistics
Address 2	221 Parker Hall
City	Auburn University
Country Code	US
State	AL
ZIP Code + 4	36849 - 0001
Congressional District	02

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name
Officer 1 Name		Officer 3 Compensation
Officer 1 Compensation		Officer 4 Name
Officer 2 Name		Officer 4 Compensation
Officer 2 Compensation		Officer 5 Name
		Officer 5 Compensation

Report Audit Trail

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