

Daniel Weser

CONTACT INFORMATION	Physical Sciences Building Arizona State University	daniel.weser@asu.edu danweser.com
RESEARCH INTERESTS	Partial differential equations, game theory, mathematical biology, kinetic theory.	
EDUCATION	Department of Mathematical and Statistical Sciences, Arizona State University M.A. Candidate, Mathematics (expected August 2017) <ul style="list-style-type: none">• Thesis Topic: Pedestrian dynamics with decision making processes• Advisor: Sébastien Motsch Department of Economics, Arizona State University B.S. in Economics (May 2016) <ul style="list-style-type: none">• Graduated <i>summa cum laude</i> with cumulative 4.0 GPA and Honors distinction• Highest distinction in academic scholarship• Minor in mathematics	
PUBLICATIONS	S. Motsch and D. Weser <i>Pedestrian dynamics with decision making processes</i> , (December 2016) [preprint]	
CONFERENCE ATTENDANCE	Transport phenomena in collective dynamics: from micro to social hydrodynamics , Zurich, Switzerland (November 2016) Dynamics and geometry from high dimensional data , Pittsburgh, Pennsylvania (March 2017)	
TEACHING EXPERIENCE	2016	Recitation Instructor, Intermediate Microeconomic Theory
HONORS AND AWARDS	2011–2016 2016	Presidential Scholar , Arizona State University Roger L. Faith Outstanding Honors Thesis Award , Department of Economics, Arizona State University
GRADUATE COURSEWORK	<input type="checkbox"/> Real Analysis I, II <input type="checkbox"/> Ordinary Differential Equations <input type="checkbox"/> Partial Differential Equations	
RESEARCH EXPERIENCE	2014–2015 2016–Present	Creation of algorithms for patent citation network analysis. Advisor: F. Leiva-Bertran, Department of Economics, Arizona State University. Derivation of model of pedestrian dynamics with decision-making. Advisor: S. Motsch, Department of Mathematics, Arizona State University.
MEMBERSHIPS	Society for Industrial and Applied Mathematics	
RELEVANT SKILLS	Programming: C++, Julia, MATLAB, Python, R, Mathematica, VBA, SQL, Bash Languages: Spanish (conversational), French (basic)	