

Suzanne Larson
Mathematics Department
Loyola Marymount University
Los Angeles, CA 90045

Education

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| Claremont Graduate School | Mathematics Ph.D. | January 1984 |
| St. Olaf College | Mathematics B.A. | May 1979 |

Experience

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| Assistant Professor | Marquette University | 1983 - 1986 |
| Assistant Professor | Loyola Marymount University | 1986 - 1990 |
| Associate Professor | Loyola Marymount University | 1990 - 1994 |
| Full Professor | Loyola Marymount University | 1995 - |

Teaching Activities

Dr. Larson has taught a wide variety of courses and has worked to develop new courses at Loyola Marymount University. She has taught courses such as a freshman Mathematics Workshop Quantitative Literacy, Abstract Algebra, Real Analysis, Topology, Discrete Mathematics, Geometry, Linear Algebra, Advanced Linear, Algebra, Probability and Statistics, Introduction to Axiomatic Systems, and Senior Mathematics Seminar.

Dr. Larson has 16 years experience in working with Expanding Your Horizons programs that target underrepresented female students in mathematics and science.

Administrative Experience

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| Coordinator, Math Core Courses | Loyola Marymount University | 1998 – 2006, 2007 - |
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Publications

1. *Convexity Conditions on f -Rings*, Canadian Journal of Mathematics, Volume 38 Number 1, 1986, pp. 48 - 64.
2. *Pseudoprime l -Ideals in a Class of f -Rings*, Proceedings of the American Mathematical Society, Volume 104 Number 3, 1988, pp. 685 - 692.
3. *Minimal Convex Extensions and Intersections of Primary l -Ideals in f -Rings*, Journal of Algebra, Volume 123 Number 1, 1989, pp. 99 - 110.
4. *Primary l -Ideals in a Class of f -Rings*, Ordered Algebraic Structures, Kluwer Academic Publishers, 1989, pp. 181 - 186.
5. *Sums of Semiprime, z and d l -Ideals in a Class of f -Rings*, Proceedings of the American Mathematical Society, Volume 109 Number 4, 1990, pp. 895 - 901.
6. *When is Every Order Ideal a Ring Ideal?*, coauthored with M. Henriksen and F. A. Smith, Commentationes Mathematicae Universitatis Carolinae, Volume 32 Number 3, 1991, pp. 411 - 416.
7. *Primary l -Ideals in a Class of f -Rings*, Communications in Algebra, Volume 20 Number 7, 1992, pp. 2075 - 2094.

8. *Square Dominated l-Ideals and l-products and Sums of Semiprime l-Ideals in f-Rings*, Communications in Algebra, Volume 20 Number 7, 1992, pp. 2095 - 2112.
9. *Semiprime f-Rings that are Subdirect Products of Valuation Domains*, coauthored with M. Henriksen, Ordered Algebraic Structures, The Conrad Conference, Kluwer Academic Publishers, 1993, pp. 159 - 168.
10. *Lattice-Ordered Algebras that are Subdirect Products of Valuation Domains*, coauthored with M. Henriksen, J. Martinez and R. G. Woods, Transactions of the American Mathematical Society, Volume 345, Number 1, 1994, pp. 195 - 221.
11. *l-Ideals of the Form $\langle I\sqrt{I} \rangle$, $I:\sqrt{I}$, Ideals Satisfying $\langle I^2 \rangle = I(I:\sqrt{I})$, and Primary l-Ideals in a Class of f-Rings*, Communications in Algebra, Volume 22 Number 8, 1994, pp. 3107 - 3131.
12. *A Characterization of f-Rings in Which the Sum of Semiprime l-Ideals is Semiprime and its Consequences*, Communications in Algebra, Volume 23 Number 14, 1995, pp. 5461 - 5481.
13. *The Intermediate Value Theorem for Polynomials over a Class of Lattice-Ordered Rings of Functions*, coauthored with M. Henriksen and J. Martinez, General Topology and Applications, Annals of the New York Academy of Sciences, Volume 788, 1996, pp. 108 - 123.
14. *Quasi-Normal f-Rings, Ordered Algebraic Structures*, Kluwer Academic Publishers, 1996, pp. 146 - 158.
15. *f-Rings in Which Every Maximal Ideal Contains Finitely Many Minimal Prime Ideals*, Communications in Algebra, Volume 25 Number 12, 1998, pp. 3859 - 3888.
16. *The Intermediate Value Theorem in f-Rings*, Communications in Algebra, Volume 30 Number 5, 2002, pp. 2469 - 2504.
17. *Constructing Rings of Continuous Functions in Which There are Many Maximal Ideals with Nontrivial Rank*, Communications in Algebra, Volume 31 Number 5, 2003, pp. 2183 - 2206.
18. *Rings of Continuous Functions on Spaces of Finite Rank and the SV Property*, Communications in Algebra, Volume 35 Number 8, 2007, pp. 2611 - 2627.
19. *Functions that Map Cozerosets to Cozerosets*, Commentationes Mathematicae Universitatis Carolinae, Volume 48 Number 3, 2007, pp. 507-521.
20. *Images and Open Subspaces of SV Spaces*, Communications in Algebra, Volume 36 Number 2, 2007, Volume 36 Number 2, 2008, pp. 352 - 364.

Selected Presentations

- *The Intermediate Value Theorem in f-Rings*, presented at the International Conference on Lattice Ordered Algebraic Structures, March 2000. (Invited)
- *Constructing Rings of Continuous Functions in Which There are Many Maximal Ideals With Nontrivial Rank*, presented at the Conference on Ordered Algebraic Structures, March 2002.
- *Rings of Continuous Functions on Spaces of Finite Rank and the SV Property*, presented at the Joint Mathematics meetings, January 2006. (Invited)
- *Images and Open Subspaces of SV Spaces*, presented at the International Conference on Lattice Ordered Algebraic Structures, April 2007. (Invited)

External Grants

Quantitative Literacy With Collaborative Group Projects, SENCER, 2004 –2006, involvement as a course developer with Jackie Dewar and Thomas Zachariah.

Developing Successful Math Majors: A Two Semester Course Sequence Instructors Manual, LACTE, summer 2000, involvement as a course developer with Jackie Dewar and Thomas Zachariah.

An Introduction to Probability and Statistics - Instructors Manual, LACTE, summer 2000, involvement as a course developer with Thomas Zachariah.

Offices Held in Professional Organizations

Second Vice Chair, Southern California Section of the Mathematical Association of America, 1991-92.

First Vice Chair, Southern California Section of the Mathematical Association of America, 1992-93.

Chair, Southern California Section of the Mathematical Association of America, 1993-94.