Meric L. Augat

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Education

2012 – 2019 **Ph.D. - Mathematics, University of Florida, Gainesville FL**
Thesis title: *The Free Grothendieck Theorem.*

2007 – 2011 **B.Sc. - Mathematics, University of Florida, Gainesville FL.**
Summa Cum Laude.

Research Publications

1. Augat, M., Helton, J. W., Klep, I., & McCullough, S. (accepted). Free bianalytic maps between spectrahedra and spectraballs in a generic setting. *Operator Theory: Advances and Applications*. https://arxiv.org/abs/1711.09459
2. Augat, M. L. (2018, September). The free Grothendieck theorem. *Proceedings of the London Mathematical Society*, 39 pages. doi:10.1112/plms.12200
3. Augat, M., Helton, J. W., Klep, I., & McCullough, S. (2018, June). Bianalytic maps between free spectrahedra. *Mathematische Annalen*, *371*(1), 883–959. doi:10.1007/s00208-017-1630-3
4. Augat, M., Balasubramanian, S., & McCullough, S. (2016, October). Compact sets in the free topology. *Linear Algebra and its Applications*, *506*, 6–9. doi:https://doi.org/10.1016/j.laa.2016.05.010

Teaching Experience

- **Course Instructor** – *MAP2302 : Elementary Differential Equations*
  1 section, ~35 students
  Summer 2018, Summer 2016
- **Discussion Leader** – *MAS4105 : Linear Algebra 1*
  1 section, ~30 students
  Fall 2018, Spring 2018, Fall 2017
- **Course Lecturer** – *MAC2313 : Analytic Geometry & Calculus 3*
  8 sections, ~220 students
  Spring 2018, Spring 2017
- **Discussion Leader** – *MAC2313 : Analytic Geometry & Calculus 3*
  3 sections, ~90 students
  Fall 2018, Fall 2017, Fall 2016, Spring 2016, Spring 2015
- **Discussion Leader** – *MAC2312 : Analytic Geometry & Calculus 2*
  3 sections, ~100 students
  Fall 2015, Fall 2014
- **Discussion Leader** – *MAC2311 : Analytic Geometry & Calculus 1*
  Spring 2014
- **Discussion Leader** – *MAC1105 : Basic College Algebra*
  Spring 2013
- **Discussion Leader** – *MAC1147 : Precalculus Algebra & Trigonometry*
  Fall 2012

Fellowships & Awards

Spring 2018 — **University of Florida - Mathematics Teaching Award**

Summer 2017 — **UF Center for Applied Mathematics - Summer Research Fellowship**

Conferences & Seminars

Mar 2018 — **Southeastern Analysis Meeting** – Georgia Tech
The free Grothendieck Theorem

Jan 2018 — **Joint Mathematics Meeting** – San Diego, CA
Invited Talk : *The free Grothendieck Theorem*

July 2017 — **Summer Informal Regional Functional Analysis Seminar** – Texas A&M

June 2017 — **Advanced course in Operator Theory and Complex Analysis** – Madrid, Spain

May 2017 — **Hilbert Function Spaces** – Gargnano, Italy

Mar 2017 — **Southeastern Analysis Meeting** – University of Tennessee
Free polynomial biholomorphisms.

July 2016 — **International Workshop on Operator Theory and Applications** – Washington University - St. Louis
Invited Talk : *Free polynomial biholomorphisms between free spectrahedra*

Mar 2016 — **Southeastern Analysis Meeting** – University of South Florida
Free polynomial biholomorphisms between free spectrahedra

Mar 2015 — **Southeastern Analysis Meeting** – University of Georgia

Miscellaneous Skills

Computer Languages

- Mathematica, Python, Fortran 95, Java

Languages

- English (mother tongue), French (fluent), Spanish (intermediate)