

# Rodrigo Dávila Figueroa

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## Education

2018-today	<b>PhD in Mathematics</b> Institute of Mathematics UNAM and Durham University Mexico - United Kingdom. Supervisor 1: John R. Parker. Supervisor 2: Ángel Cano Cordero.
2015	<b>MSc in Mathematics</b> Institute of Mathematics UNAM Thesis: <i>R-Fuchsian groups and the discontinuity region with three connected components</i> Supervisor: Ángel Cano Cordero.
2012	<b>BSc in Mathematics</b> Autonomous University of Yucatan

## Publications

April 2017	<i>Ribbon graphs and the fundamental group of surfaces.</i> Revista Avanza, 2019. ISBN 978-607-922-452-3.
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## Visiting Research Positions

Spring 2019	Research Visitor, Durham University, United Kingdom.
Spring 2018	Research Visitor, Durham University, United Kingdom.
Spring 2017	Research Visitor, Crete University, Greece.

## Professional Positions

2020 - today	<b>Lecturer</b> <b>ESIME - National Polytechnic Institute.</b> Complex Analysis Differential equations Probability
2018- today	<b>Lecturer.</b> <b>Autonomous University of Mexico City UACM.</b> Differential Calculus Algebra and Analytic Geometry Electromagnetic Theory
2015 - 2018	<b>Assistant professor</b> <b>National Autonomous University of Mexico UNAM.</b> Differential Geometry of curves and surfaces Differential Topology Analytic Geometry 2
2020 - today	<b>Private Mathematics Tutor</b> <b>Superprof, international online platform</b> A-levels Math coaching for admission exams Tutorial for Master Engineering students

## Talks

March 2019	<i>Fenchel-Nilsen type coordinates for the representation variety of surface groups in <math>SL(3, \mathbb{C})</math> and their relations with other coordinates.</i> Autonomous University of Puebla, Mexico.
October 2011	<i>Assessment and design of Mathematical Olympiads - type problems for high school teachers.</i> Workshop Instructor. Mexico.
June 2009	<i>Finite cyclic group theory and some applications.</i> Mexico.

## Languages

Spanish	Native
<b>English</b>	<b>Fluent</b>