

Charles Stewart Hadfield

GENERAL	Nationality: New Zealander (birth)		charleshadfield.com
	French (naturalisation)		charles.hadfield@gmail.com
	Visa status: O-1 (Green Card: in process)		
	Date of Birth: June 1991		
EMPLOYMENT	IBM Quantum, New York 2020 - present		
	Applications Researcher/Mathematician, T.J. Watson Research Center		
	Rigetti Quantum Computing, Berkeley 2018 - 2019		
	Applications Researcher/Mathematician, Theory Division		
EDUCATION	University of California, Berkeley 2017 - 2018		
	Charles B. Morrey, Jr. Assistant Professor		
	École normale supérieure, Paris 2014 - 2017		
	Doctorate: Structures de Clifford paires et résonances quantiques Supervisors: Colin Guillarmou, Andrei Moroianu		
SCHOLARSHIPS AND PRIZES	Université Pierre et Marie Curie, Paris 2013 - 2014		
	Master 2 Pure Mathematics		
	The University of Auckland 2010 - 2013		
	Honours in Mathematics, July 2012 - June 2013 BSc majoring in Mathematics and Physics, 2010 - June 2012		
LANGUAGES	Finalist for Rhodes Scholarship 2014 (one of seven New Zealand candidates)		
	Paris Graduate School of Mathematical Sciences International Scholarship, 2013 - 2014		
	Collins Prize in Mathematics (top student in Honours), 2013		
	Wacher Prize for Academic Head of School, Christ's College, 2009		
SPORT	HM Chrystall Prize for All-round Merit in Sport & Scholarship, Christ's College, 2009		
	First Prize in New Zealand Junior Mathematics Competition, 2006		
	Julia, Python		
	English (native), French (fluent), Spanish (tourist), Japanese (rusty)		
SPORT	2017 - 2019	Cal Sailing Club, Berkeley	
	2013 - 2017	Elite Level C.A.Montrouge Hockey, Paris	
	2010 - 2013	Premier Level Somerville Hockey Club, Auckland	
	2002 - 2012	Canterbury, Auckland, NZ Hockey Representative and Umpire	

PUBLICATIONS	<i>Zeta function at zero for surfaces with boundary</i> arXiv:1803.10982, submitted
	<i>Ruelle and quantum resonances for open hyperbolic manifolds</i> arXiv:1708.01200, IMRN
	<i>Local geometry of even Clifford structures on conformal manifolds</i> arXiv:1611.01665, Ann. Glob. Anal. Geom, with A. Moroianu
	<i>Resonances for symmetric tensors on asymptotically hyperbolic spaces</i> arXiv:1609.06527, Anal. PDE
	<i>Twistor spaces of Riemannian manifolds with even Clifford structures</i> arXiv:1602.04159, Ann. Glob. Anal. Geom, with G. Arizmendi
TALKS	<i>Dynamical zeta functions on surfaces with boundary</i> November 2019, UC Berkeley
	<i>Lectures on topological quantum error correction</i> July 2019, Rigetti Quantum Computing
	<i>A quantum/classical correspondence on hyperbolic manifolds</i> November 2017, Stanford University
	<i>Resonances on asymptotically hyperbolic manifolds; the ambient metric approach</i> March 2018, UC Santa Cruz
	September 2017, Bay Area Microlocal Analysis Seminar
	March 2017, Luminy
	October 2016, Université d'Avignon
	<i>Géométrie hyperbolique et la fonction zeta de Selberg</i> February 2016, École normale supérieure
TEACHING	<i>Dynamical zeta functions for Anosov flows, after Dyatlov, Zworski</i> May 2015, Peyresq
	<i>Espaces de twisteurs sur des variétés quaternion-kählériennes</i> June 2014, Université Pierre et Marie Curie
	Honours Introduction to Complex Analysis Spring 2018, 3 rd year undergraduate, UC Berkeley
	Introduction to Analysis Spring 2018, 3 rd year undergraduate, UC Berkeley
	Introduction to Abstract Algebra Fall 2017, 3 rd year undergraduate, UC Berkeley
	Introduction to Differential Geometry Spring 2015, 3 rd year undergraduate, Université Paris-Dauphine