

Charles Stewart Hadfield

GENERAL	Nationality: New Zealander (birth) French (naturalisation) Visa status: O-1 Date of Birth: June 1991	charleshadfield.com charles.hadfield@gmail.com
EMPLOYMENT	Rigetti Quantum Computing, Berkeley 2018 - present Applications Researcher/Mathematician, Theory Division University of California, Berkeley 2017 - 2018 Charles B. Morrey, Jr. Assistant Professor	
EDUCATION	École normale supérieure, Paris 2014 - 2017 Doctorate: Structures de Clifford paires et résonances quantiques Supervisors: Colin Guillarmou, Andrei Moroianu 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 Christ's College, Canterbury 2005 - 2009	
SCHOLARSHIPS AND PRIZES	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 The University of Auckland Honours Scholarship, 2012, 2013 The University of Auckland Scholarship, 2010 - 2012 Wacher Prize for Academic Head of School, Christ's College, 2009 HM Chrystall Prize for All-round Merit in Sport & Scholarship, Christ's College, 2009 First Prize in New Zealand Junior Mathematics Competition, 2006	
LANGUAGES	English (native), French (fluent), Spanish (basics), Japanese (rusty)	
SPORT	2017 - 2018 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 2006 - 2009 Christ's College Hockey and Cricket 1 st XIs	

PUBLICATIONS

Zeta function at zero for surfaces with boundary
arXiv:1803.10982, submitted

Ruelle and quantum resonances for open hyperbolic manifolds
arXiv:1708.01200, IMRN

Local geometry of even Clifford structures on conformal manifolds
arXiv:1611.01665, Ann. Glob. Anal. Geom, with A. Moroianu

Resonances for symmetric tensors on asymptotically hyperbolic spaces
arXiv:1609.06527, Anal. PDE

Twistor spaces of Riemannian manifolds with even Clifford structures
arXiv:1602.04159, Ann. Glob. Anal. Geom, with G. Arizmendi

TALKS

Resonances on asymptotically hyperbolic manifolds; the ambient metric approach
March 2018, UC Santa Cruz

A quantum/classical correspondence on hyperbolic manifolds
November 2017, Stanford University

Resonances on asymptotically hyperbolic manifolds; the ambient metric approach
September 2017, Bay Area Microlocal Analysis Seminar

Quantum resonances on asymptotically hyperbolic space
March 2017, Luminy

Résonances quantiques sur des variétés asymptotiquement hyperboliques
October 2016, Université d'Avignon

Géométrie hyperbolique et la fonction zeta de Selberg
February 2016, École normale supérieure

Dynamical zeta functions for Anosov flows, after Dyatlov, Zworski
May 2015, Peyresq

Espaces de twisteurs sur des variétés quaternion-kählériennes
June 2014, Université Pierre et Marie Curie

TEACHING

Honours Introduction to Complex Analysis
Spring 2018, 3rd year undergraduate, UC Berkeley

Introduction to Analysis
Spring 2018, 3rd year undergraduate, UC Berkeley

Introduction to Abstract Algebra
Fall 2017, 3rd year undergraduate, UC Berkeley

Introduction to Differential Geometry
Spring 2015, 3rd year undergraduate, Université Paris-Dauphine