

Patricio Quiroz Herrera

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Education

- **Van Vleck Visiting Researcher in Mathematics, Wesleyan University, 2014-present.**
 - **Ph.D. in Mathematics, Universidad de Chile, 2013**
Thesis: Spinor norm computations for quaternionic skew-hermitian forms over a dyadic local field.
Advisor: Luis Arenas Carmona.
 - **Licentiate in Mathematics, Universidad de Chile, 2008.**
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Teaching activity performed

Professor Positions:

- Universidad de Chile. Linear Algebra (Bachelor of Science), 2013.
- Universidad de Santiago de Chile. Calculus I (Engineering), 2013.
- Universidad de Santiago de Chile. Calculus II (Engineering), 2013.

Teaching Assistantships:

- Universidad de Chile. Algebra I, II (Graduate Mathematics), 2012.
 - Universidad de Chile. Algebraic Topology (Graduate Mathematics), 2011.
 - Universidad de Chile. Algebra I, II (Graduate Mathematics), 2010.
 - Universidad de Chile. Analysis II, III (Undergraduate Mathematics), 2009.
 - Universidad de Chile. Algebra I, II (Undergraduate Mathematics), 2008.
 - Universidad de Chile. Calculus I, III (Undergraduate Mathematics), 2007.
 - Universidad de Santiago de Chile. Abstract Algebra (Engineering), 2006.
 - Universidad de Santiago de Chile. Linear Algebra (Engineering), 2005.
 - Universidad de Santiago de Chile. First year Algebra (Engineering), 2004.
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Grants

- Conicyt PhD grant, 2008-2012.
 - Becas Chile Postdoctoral grant, Jan 2014-Jan 2016.
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Preprints

1. (with Luis Arenas-Carmona) "Spinor norm for skew-hermitian forms", *submitted*.
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Talks

- Talk: "Spinor genera theory in the skew-hermitian case". Algebra seminar. Wesleyan University. 2014.
 - Talk: "Fermat's Last Theorem. Algebraic Number Theory". Graduate student seminar. Universidad de Chile. 2013.
 - Talk: "Spinor norm computations for quaternionic skew-hermitian forms". XIX Coloquio Latinoamericano de Álgebra, 2012, Pucón, Chile.
 - Talk: "Spinor norm computations for quaternionic skew-hermitian forms". LXXXI Encuentro anual de la Sociedad de Matemática de Chile 2012. Olmué, Chile.
 - Talk: "Local-Global principles in Number Theory". Graduate student seminar. Universidad de Chile. 2011.
 - Talk: "Group actions and symmetry. Sets in movement". 3er Congreso de Estudiantes de Pedagogía en Matemáticas, organized by the association of students in pedagogy in mathematics (AEPEMAT) 2010. Universidad de la Frontera. Temuco, Chile.
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Mini Courses

- (with Luis González) "Lie groups and differential equations". 4° Congreso de Estudiantes de Pedagogía en Matemáticas, organized by the association of students in pedagogy in mathematics (AEPEMAT) 2011. Universidad Católica Silva Henríquez. Santiago, Chile.
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Services

- President of graduate mathematics students, Graduate student association (CIPC), Universidad de Chile, 2009-2010.
 - Talk for High School students, San Agustín High School, Santiago, Chile, 2010.
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References

Luis Arenas Carmona (Advisor)
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