

Institute for Mathematics  
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# Jonathan Lorand

Ph.D. Student, Institute of Mathematics, University of Zurich 09/2015 - Present  
Advisor: Alberto Cattaneo

## Education

M.Sc. Mathematics, ETH Zurich 09/2012 - 08/2015  
Thesis: *Classification of Linear Canonical Relations*  
Advisors: Giovanni Felder (ETH Zurich), Alan Weinstein (UC Berkeley)

B.Sc. Mathematics, ETH Zurich 09/2008 - 08/2012

## Publications & Preprints

Herrmann, C., Lorand, J., Weinstein, A., (Co)isotropic triples and poset representations, *in preparation*.

John C. Baez, Blake S. Pollard, Jonathan Lorand, Maru Sarazola, Biochemical coupling through emergent conservation laws, preprint arXiv:1806.10764.

Lorand, J., Weinstein, A., Decomposition of (co)isotropic relations, *Lett Math Phys* (2016) 106: 1837.  
<https://doi.org/10.1007/s11005-016-0863-5>

Lorand, J., Weinstein, A., (Co)isotropic pairs in Poisson and presymplectic vector spaces, *SIGMA* 11 (2015), 072, 10 pages.

## Past Positions

Assistant, Chair of Philosophy, ETH Zurich 10/2014 - 08/2015

Assistant, Chair of Macroeconomics: Innovation and Policy, ETH Zurich 10/2014 - 03/2014

Visiting Student Researcher, UC Berkeley 02/2014 - 08/2014

Assistant, Chair of Macroeconomics: Innovation and Policy, ETH Zurich 10/2013 - 02/2014

Assistant, Mathematics Department, ETH Zurich / EPF Lausanne 02/2011 - 12/2012

## Teaching

Coordinator: Seminar “Applied category theory”; Seminar “Advanced linear algebra”

Assistantship: Analysis I, II, & III; Probability and Statistics; Functional Analysis, Linear Algebra I & II; Philosophical Aspects of Physics II

## Scholarships & Awards

Scholarship of the Anna & Hans Kägi Foundation 2012 - 2015

## Engagement

Co-organizer of the Zurich Graduate Colloquium 09/2016 - Present

## Languages

English (native speaker), German & Swiss-German (fluent), French (B1)