

Curriculum

Emma Lepri

Personal Data

Email: emma.lepri@uniroma1.it
Date of birth: 15 May 1995
Nationality: Italian

Current position

Università la Sapienza, Roma
Ph.D. student in Mathematics XXXV ciclo
Tutor: Domenico Fiorenza
Advisor: Marco Manetti
Autumn 2019 - now

Education

Università la Sapienza, Roma
Master Degree in Mathematics (110/110 cum laude)
September 2017 - July 2019

Bachelor Degree in Mathematics (110/110 cum laude)
September 2014 - July 2017

Theses

Master's thesis

Title: "*Model categories and deformations of diagrams of commutative algebras*"

Supervisor: Marco Manetti

The purpose of this thesis is the study of deformations of diagrams of commutative algebras on a field of characteristic 0, by finding a differential graded Lie algebra that controls the deformations of a diagram, using the instruments provided by model categories.

Bachelor's thesis

Title: "*Categorie modello e struttura modello di Quillen sulla categoria degli spazi topologici*" ("Model categories and Quillen model structure on the category of topological spaces")

Supervisor: Marco Manetti

A description of model categories and of the classical construction of the Quillen model structure on the category of topological spaces.

Publications

with Marco Manetti, "*On deformations of diagrams of commutative algebras*"

To appear in the volume dedicated to the BGMS Conference 2018 of the Springer Indam Series. <https://arxiv.org/abs/1902.10436>

Languages

Italian (native), English (advanced), German (basic)