

Introduction to infinity categories

Talk by Marco Robalo at DAGIT 2017

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Abstract

These are a copy of my notes on a talk given by Marco Robalo at the seminar Derived Algebraic Geometry in Toulouse (DAGIT) 2017: the content is purely his; the mistakes are all mine.

1.0 Motivation

2.0 Preliminary definitions

3.0 Quasi-categories

4.0 Simplicial nerve and rectification

5.0 Homotopy colimits

6.0 Localisation

7.0 Presheaves and ∞ -functors

8.0 Presentability

9.0 Symmetric monoidal ∞ -categories

10.0 Subtleties