AUTO GENERATED INDEX

Contents

1. Alphabetized definitions

2. Definitions listed per chapter

Introduction

Conventions

Set Theory

Categories

Topology

Sheaves on Spaces

Sites and Sheaves

Stacks

Fields

Commutative Algebra

Brauer groups

Homological Algebra

Derived Categories

Simplicial Methods

More on Algebra

Smoothing Ring Maps

Sheaves of Modules

Modules on Sites

Injectives

Cohomology of Sheaves

Hypercoverings

Schemes

Constructions of Schemes

Properties of Schemes

Morphisms of Schemes

Cohomology of Schemes

Divisors

Limits of Schemes

Varieties

Topologies on Schemes

Descent

Derived Categories of Schemes

More on Morphisms

More on Flatness

Groupoid Schemes

More on Groupoid Schemes

Étale Morphisms of Schemes

Chow Homology and Chern Classes

Intersection Theory

Picard Schemes of Curves

Weil Cohomology Theories

Adequate Modules

Dualizing Complexes

Duality for Schemes

Discriminants and Differents

Crystalline Cohomology

Pro-étale Cohomology

Relative Cycles

More Étale Cohomology

The Trace Formula

Algebraic Spaces

Properties of Algebraic Spaces

Morphisms of Algebraic Spaces

Decent Algebraic Spaces

Cohomology of Algebraic Spaces

Limits of Algebraic Spaces

Divisors on Algebraic Spaces

Algebraic Spaces over Fields

Topologies on Algebraic Spaces

Descent and Algebraic Spaces

Derived Categories of Spaces

More on Morphisms of Spaces

Flatness on Algebraic Spaces

Groupoids in Algebraic Spaces

More on Groupoids in Spaces

Bootstrap

Pushouts of Algebraic Spaces

Chow Groups of Spaces

Quotients of Groupoids

More on Cohomology of Spaces

Simplicial Spaces

Duality for Spaces

Formal Algebraic Spaces

Algebraization of Formal Spaces

Resolution of Surfaces Revisited

Formal Deformation Theory

Deformation Theory

The Cotangent Complex

Deformation Problems

Algebraic Stacks

Examples of Stacks

Sheaves on Algebraic Stacks

Criteria for Representability

Artin's Axioms

Quot and Hilbert Spaces

Properties of Algebraic Stacks

Morphisms of Algebraic Stacks

Limits of Algebraic Stacks

Cohomology of Algebraic Stacks

Derived Categories of Stacks

Introducing Algebraic Stacks

More on Morphisms of Stacks

The Geometry of Algebraic Stacks

Moduli Stacks

Moduli of Curves

Examples

Exercises

A Guide to the Literature

Desirables

Coding Style

Obsolete

GNU Free Documentation License

3. Other chapters