Stacks project workshop 2023

August 16, 2023

Workshop

Welcome!

Goal: learn some mathematics, have some fun, make some friends

email us at stacksprojectworkshop@gmail.com for financial things: reimbursement forms will be sent from there

In case of questions:

- Lena: local organiser, she knows the useful things
- Johan and Pieter: organisers, we know some things
- Wei: remote organiser, she knows the useful things (but isn't here this week)

On the schedule

- the small rooms are officially booked 9–18
- mentors should have received access codes (if required)
- last group work slot of the day: optional

Tuesday evening: introduction to Git for mathematicians

- optional
- afterwards "workshop dinner" in Common Room

Friday afternoon: group presentations

- 30 minutes per group: 20 minute presentations, rest for questions and setup
- tell us something you have learned this week

Some history of the Stacks project

History

July 5, 2005 Johan has idea for Stacks project

May 21, 2008 first Git commit: 70 pages

May 16, 2009 implementation of tags and tag lookup

July 19, 2012 first real website

August 17, 2017 tag 09EC

Deligne–Mumford: $\overline{\mathcal{M}}_g$ is smooth and proper stack over $\operatorname{Spec}\mathbb{Z}$ (1969)

"Full details on the basic properties and theorems for algebraic stacks will be given elsewhere."
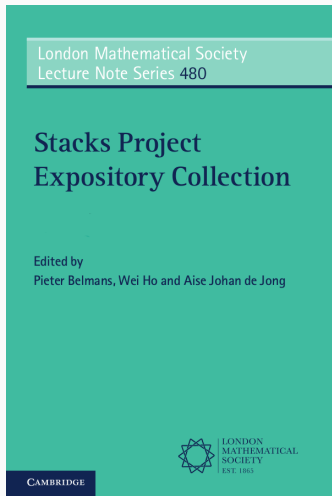
May 21, 2018 current version of website goes live

October 17, 2018 Kerodon, Jacob Lurie's own Stacks project for homotopy-coherent mathematics goes live

December 9, 2021 Leroy P. Steele Prize for Mathematical Exposition

October 2022 Stacks Project Expository Collection gets published

London Mathematical Society
Lecture Note Series 480

Stacks Project
Expository Collection

Edited by
Pieter Belmans, Wei Ho and Aise Johan de Jong

LONDON
MATHEMATICAL
SOCIETY
EST. 1865

CAMBRIDGE

every chapter is the topic of a
group in one of the workshops
most are on the arXiv
maybe future edition?

Some statistics

- 21300 tags on 7586 pages
- 761892 lines of LaTeX
- 109 chapters
- 10383 commits
- 554 contributors

Citations on MathSciNet

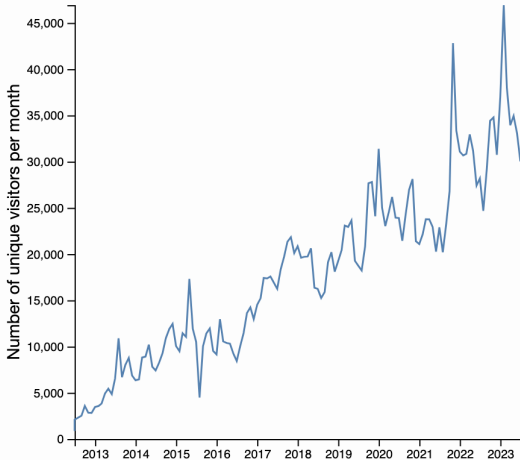| Year	Citations
2010	1
2011	2
2012	7
2013	10
2014	15
2015	36
2016	49
2017	97
2018	104
2019	135
2020	191
2021	257
2022	294
2023	161
2024	1

Some website statistics

- $\pm$75k visits per month
- $\pm$300k pageviews per month

Design contest

design a

- Stacks project t-shirt
- Stacks project mug
- . . . ?

submissions by email to `stacksprojectworkshop@gmail.com`,
before Friday 9AM

best design, vote on Friday afternoon, wins a (signed?) copy of the
Stacks Project Expository Collection