

History and Aims of MSC

- jointly produced by MR and zbMATH
- dates back to 1940s, official revisions every decade starting from 1990
- used by zbMATH and MR for internal workflow
- libraries use it for classifying journals and books
- search by area or keyword
- filter search results
- community driven

Is This Really Necessary?

HITS tried Topic Modeling on zbMATH reviews using ToPMine.

Results: some meaningful topic clusters in applied areas, useless for pure mathematics

- Bayesian inference, posterior distribution, Gibbs sampler (62F15)
- pull back, container loading (category theory vs. operations research)
- hyperplane arrangement, traffic jam, speed of light (???)

Current Status and Timeline

01/2015 - 06/2016

internal discussions, informal announcement 07/2016 - 08/2018

msc2020.org open for comments 09/2018

- 12/2019

incorporation of community feedback 01/2020

MSC2020 goes into effect

How Much Change is Needed?

Comparing human-awarded MSC codes zbMATH \longleftrightarrow MR:

Level	F ₁
1	0.83
2	0.72
3	0.58

⇒ no need for new top-level codes in MSC2020 (and few second-level ones).

Selected Highlights from Current Suggestions

- **14Q** (Computational aspects in algebraic geometry):
 - Numerical algebraic geometry
- **18D** (Categories with structure):
 - Higher categories
- **55U** (Applied homological algebra and category theory):
 - Topological data analysis
- **62** (Statistics):
 - Algebraic Statistics
- 68 (Computer science):
 - Computer-assisted proofs

What Can I Do?



Contribute!

https://msc2020.org/

open until after the ICM

And tell your colleagues!

