

1135-00-2528

Edward Dunne, Fabian Müller* (fabian.mueller@fiz-karlsruhe.de), **Norman Richert**
and **Olaf Teschke**. *Organizing the mathematical literature: On the road to MSC 2020.*

The Mathematical Subject Classification has been used for decades to organize the mathematical literature, and it still remains an efficient tool due to—or in spite of—the immense growth of the number of publications since its introduction. Currently, the MSC 2020 is under joint revision by Mathematical Reviews and zbMATH: At <https://msc2020.org/>, the mathematical community is invited to contribute enhancements and additions. We report on the status of the revision and outline the next steps. Furthermore, we present some data analysis obtained in collaboration with the Heidelberg Institute for Theoretical Studies, which may underscore that the classification system is surprisingly reliable, and human classification still outperforms current state-of-the-art tools in data mining and machine learning. We indicate some ideas on how such tools can nevertheless be used to contribute to the revision, while at the same time renewing the invitation to contribute to the community input phase, which will stay open until the ICM 2018. (Received September 26, 2017)