

MATHEMATISCHES FORSCHUNGSINSTITUT OBERWOLFACH

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**Low-Dimensional Topology and Number Theory  
(individual research only)**

Organized by  
Paul E. Gunnells, Amherst  
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Don B. Zagier, Bonn/Trieste

23 August – 29 August 2020

ABSTRACT. Because of the pandemia, the workshop on “Low-Dimensional Topology and Number Theory” could not be realized in the usual format or in the new hybrid format. Instead, a subgroup consisting of 6 participants used the week at the MFO mostly for informal discussions, collaborations and research in the topic of the workshop, including some online contacts to other participants who were not able to come to the MFO. At the institute talks were given by Campbell Wheeler on “WRT invariants & quantum modularity”, Gregor Masbaum on “Generic skein modules”, Gaëtan Borot on “Counting multicurves on surfaces with respect to hyperbolic vs. combinatorial geometry”, Roland van der Veen on “1-cocycle invariants of knots”, and by Michael Ontiveros on “From a triangulated lens space to a modular form”.

*Mathematics Subject Classification (2010):* 57xx, 11xx.

## Participants

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