



MATEMATIČNI KOLOKVIJI



VABILO

V četrtek, 13. januarja 2022, ob **16:15**

bo preko Zoom-a

predaval:

Prof. dr. ERIC SAMPERTON

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Theory and applications of equivariant bordism of surfaces

Fix a finite group G . I'll give an overview of my work concerning actions of G on surfaces, and, relatedly, regular branched G -covers of surfaces. On the theoretical side, this includes a stable classification of branched G -covers with a given base, and the explicit calculation of 2-dimensional G -equivariant unitary and oriented bordism groups for all finite groups. Applications of these results include complexity-theoretic hardness results for enumerative invariants of knots associated to non-abelian simple groups, and the discovery of counterexamples to the evenness conjecture in unitary equivariant bordism theory.

Based on various collaborations with Andrés Angel, Greg Kuperberg, Carlos Segovia and Bernardo Uribe.

Zoom podatki:

[https://uni-lj-si.zoom.us/j/99459842403?](https://uni-lj-si.zoom.us/j/99459842403?pwd=cnRkNW9zR253MFFkck0reE5wVzZadz09)

[pwd=cnRkNW9zR253MFFkck0reE5wVzZadz09](https://uni-lj-si.zoom.us/j/99459842403?pwd=cnRkNW9zR253MFFkck0reE5wVzZadz09)

Meeting ID: 994 5984 2403 Passcode: 335536

Pozor: predavanje je izjemoma v četrtek ob 16:15.

Ljubitelji matematike vljudno vabljeni!

Matematične kolokvije prireja Društvo matematikov, fizikov in astronomov Slovenije v sodelovanju z Inštitutom za matematiko, fiziko in mehaniko v Ljubljani, Oddelkom za matematiko in mehaniko Fakultete za matematiko in fiziko Univerze v Ljubljani ter Komisijo za tisk, DMFA - založništvo. Kolokvije vodi PRIMOŽ MORAVEC. Dodatne informacije so na strani:

<http://wiki.fmf.uni-lj.si/wiki/MatematicniKolokviji>

Pripombe podajte na naslov: primoz.moravec@fmf.uni-lj.si

