

# Radionica o Diofantovim $m$ -torkama i modularnim krivuljama

Raspored radionice  
Predavaona 201, PMF-MO

27-29. svibnja 2026.

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## 27. svibnja

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10:15 – 11:00 **Matija Kazalicki:** Sedam kvadrata iz triju brojeva

11:00 – 12:00 **Ivan Novak:** Points on families of modular curves

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12:15 – 13:30 **Ručak**

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13:30 – 14:00 **Sanda Bujačić Babić:** On the Extension of a  $D(4)$ -Triple  $\{1, b, c\}$

14:15 – 14:45 **Alen Andrašek:** Diofantove četvorke za četvrte potencije

15:00 – 15:30 **Alan Filipin:** On the connectedness of Diophantine graphs

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## 28. svibnja

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10:00 – 10:45 **Zrinka Franušić:** O razlikama kvadrata

10:45 – 11:30 **Marija Bliznac Trebješanin:** Diophantine  $m$ -tuples with elements in some integer sequences

11:30 – 12:15 **Marin Varivoda:** Torsion groups of elliptic curves that appear infinitely often over septic, octic and nonic fields

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12:15 – 13:30 **Ručak**

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13:30 – 14:00 **Ana Jursić:** On the non-extendibility of triangular  $D(n)$ -pairs  $\{n, 2n\}$  with  $n = 2k^2 \pm k$

14:15 – 14:45 **Ivan Soldo:** Extending results on  $D(z)$ -quadruples in  $\mathbb{Z}[\sqrt{-2}]$

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## 29. svibnja

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10:00 – 10:45 **Maarten Derickx:** Low degree points on curves as pullbacks

10:45 – 11:30 **Petar Orlić:** Exceptional modular curve quotients and rational points

11:30 – 12:15 **Tomislav Pejković:** Real and Schneider's  $p$ -adic continued fractions of rational numbers

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12:15 – 13:30 **Ručak**

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13:30 – 14:00 **Nikola Adžaga:** Torsion of elliptic curves induced by regular Diophantine triples

14:15 – 14:45 **Filip Najman:** Twist-parametrized points on modular curves and Mazur's program B

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