

Univerza na Primorskem

Titov trg 4
6000 Koper

VABILO NA AKTIVNOSTI PROJEKTA OOOZnanost!

To Infinity and Beyond

Kdaj: 20. november 2024, ob 16.00

Kje: UP Famnit (Glagoljaška 8, 6000 Koper)

Izvajalec: dr. René Rodríguez Aldama

Opis:

We can all agree that the concept of infinity plays an important role in our society and our own philosophy, but what exactly is “the infinity”? In this talk, we will uncover the definition of infinity as used in mathematics and we will delve into some of its shapes and consequences. From showing that there are several infinities up to partitioning a pea and reassembling it to create the sun, the mathematical infinity has a lot of interesting properties, perhaps, some of them are counterintuitive or paradoxical.

At the end of the 19th century, mathematicians were bewildered by the arising of paradoxical results and a foundational crisis of mathematics came up. As an attempt to solve these issues, Hilbert proposes his famous program (Hilbert’s program) in 1920, which was an effort to formalize all mathematics under a solid basis. However, this program was shown to be unattainable by results of Gödel published in 1931. In the second part of my talk, we will focus on explaining how to show that certain (mathematical) statements cannot be either proved or disproved using the common ground rules of mathematics.

O predavatelju:

René Rodríguez Aldama se je rodil leta 1994 v La Piedad, Michoacan, Mehiki. Leta 2016 je diplomiral iz fizike in matematike na Univerzi Michoacan svetega Nikolaja Hidalga (UMSNH), Morelia, Mehika. Dve leti kasneje pa magistriral iz čiste matematike na Nacionalni avtonomni univerzi Mehike in UMSNH, kjer so bila njegova matematična zanimanja teorija množic, logika in topologija. Leta 2022 je doktoriral iz matematike na Univerzi na Primorskem. Od leta 2022 je raziskovalec na Fakulteti za matematiko, naravoslovje in informacijske tehnologije ter na Inštitutu Andrej Marušič. Njegovi trenutni raziskovalni interesi vključujejo algebro, teorijo kodiranja, kombinatoriko in kriptologijo.

(predavanje bo izvedeno v angleščini)

LAŽNE NOVICE IN TEORIJE ZAROTE? OPOLNOMOČIMO (SE ZA) Znanost! (oooZnanost!)