UNIVERSITÀ DEGLI STUDI DI PADOVA

DIPARTIMENTO MATEMATICA

How to solve your next math problem by computer. Three stories on proof-assistants

Theorem. (Four colour)
If G is a loopless planar graph,
then X(G) ≤ 4
Proof
    Exercise for the reader.

```
Theorem four_color :
(m : map) ->
map_colorable (4) m
Proof.
simp
qed.
```

7th June, 4:30pm
Room 1A150 and Online

A collective talk for all undergraduate/graduate students in mathematics and computer science

Ingo Blechschmidt University of Augsburg

Prof. Marco Maggesi University of Firenze

Filippo Sestini University of Nottingham

Organized by **Silvia Crafa** and **Maria Emilia Maietti**

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