

29. April 2014, 16:15 in room 0.8.0.53

What is ... the Euler Characteristic? From primary school to the Fields Medal

$$\chi\left(\begin{array}{c} \\ \\ \\ \end{array}\right) = 2$$

A talk by Matthias Ludewig

You can have school children discover that the Euler characteristic of a planar graph is always two. The the Euler characteristic is also an ingredient of one of the most important theorems in contemporary mathematics, the Atiyah-Singer index theorem. Learn what the Euler characteristic is and see how all this ties together at this installment of our "What is...?" seminar.

In our "What is...?" seminar, you can learn about stuff that you always wanted to know but never understood. If you are a graduate student of mathematics this seminar is for you. The talks are elementary and accessible for students not familiar with the field, from students for students.

Fachschaft MaPhy • PhD. Representatives in Mathematics