

ZMATH 2014e.00800

Tian, Xiaoxi; Xie, Jinxing

Summer camp of mathematical modeling in China.

J. Math. Educ. Teach. Coll. 4, No. 2, 39-43 (2013).

Summary: The summer camp of mathematical modeling in China is a recently created experience designed to further Chinese students' academic pursuits in mathematical modeling. Students are given more than three months to research on a mathematical modeling project. Researchers and teams with outstanding projects are invited to the summer camp to present their findings and techniques. These projects are based on real-world problems and train students to apply their mathematical knowledge into practice. Students communicate their research ideas with experts, peers and practitioners of relevant fields during the weeklong camp. This paper will illustrate the summer camp of mathematical modeling's origin and motivation, organizational structure, development, sponsorships, and activities and modeling tasks.

Classification: M15 D45

Keywords: mathematical model building; project method; summer camp; research; student presentations; student activities; real-life mathematics; mathematical applications; university teaching; student competitions

<http://journals.tc-library.org/index.php/matheducation/article/view/942/587>