



ABSTRACT

Ishkhan Hovhannisyan, Arman Arakelyan

Vice Dean of the faculty of Applied Mathematics and Physics, Director of NPUA High School

National Polytechnic University of Armenia

On Features Of Teaching Mathematics In Technical Universities

We represent our ideas and some achievements in modernization of mathematical education in NPUA, including the following items:

- Changing syllabus (contents and the way of presentation, "theorem-to proof" style could be slightly modified by putting more emphasis on applications)
- Adding topics, applications and illustrative examples related to engineering disciplines to improve engineering student's motivation to study mathematics.
- Using mathematical tool programs (Matlab, Scilab, R-, etc.) for solving problems.
- Finding the courses or parts of the courses, or activities related with the courses that can be best studied using Math-Bridge.
- Adding (small) student project works to the course. Use of web resources, and open data would add student motivation.
- Finding complementary ways of assessment that would measure competencies corresponding to SEFI list.