

## PEDAGOGICAL CONDITIONS OF SUCCESSFUL PROFESSIONALLY DESIGNED MATHEMATICAL EDUCATION IN THE TECHNICAL UNIVERSITIES

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### ABSTRACT

In view of the objective of teaching mathematics in technical universities method of mathematical modeling should be integrated in the process of learning, based on building speculative models that simulate the real object using abstractions, created by the diversion of some of the properties of the object to the sides and features that are most important to the study. To successfully accomplish this task, technical universities should be concerned about the solution to the problem of teacher training, capable of realizing the modern demands of society in the skilled professionals of engineering profile. Our observations show that the Faculty of math departments were not always familiar with the educational and scientific literature of departments of engineering profile, plus very few profession- oriented literature that has a negative impact on issues related to the teaching of mathematics and mathematical education. And here in the first place, it is about creating a pedagogic environment. It can be argued that the conditions are in line with the teaching objectives. Such a purpose in the mathematical education of students of technical universities is the delivery of volume and quality of the mathematical knowledge that best meets the needs of the future speciality.

**Keywords:** Professional, direction, engineering, education, specialist.