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The formation of students' engineering thinking as a way to create new techniques, technologies, materials

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Abstract

Engineering thinking is regarded as the quality of the person, which is stimulating the human need for the creation of new techniques, technologies and materials. Applications in the study of competence approach allows us to consider a professional thinking as one of the core competencies required for successful engineer innovations in mechanical engineering. The author's definition of professional engineering thinking is presented. The ways of its formation at students of technical fields enrolled in university courses are illustrated.

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