

Research on the practical application of TRIZ theory in the cultivation of product design professionals Postprint

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Abstract

This paper briefly discusses the important role of TRIZ theory in cultivating innovative talents within product design majors, analyzes the current state of TRIZ theory teaching methodology applications in China, and introduces TRIZ theory into the product design studio teaching model. It elaborates in detail on the teaching methodologies for invention principles and contradiction matrices, separation principles, and substance-field models, as well as their effective applications in students' coursework, practical training, competitions, participation in enterprise projects, and scientific research projects. Furthermore, the paper prospects the application of TRIZ theory combined with other research methods in teaching.

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