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Abstract

CreoParametric is a parametric industrial product design and analysis software used by engineers, teachers, and students in the field of manufacturing industry. The complexity of commands and design tools of parametric design software as well as the abundance of different design techniques and methods make the process of learning a cad software a difficult and laborious procedure for the user. Learning the design tools as well as describing the parametric design methodologies described in the book help users of all parametric design software in addition to those using CreoParametric to understand the basic concepts of solid modelling and surfacing to create

a variety of simple and complex geometries. The purpose of the book is a complete understanding of all the primary and secondary commands of the CreoParametric design system. The book includes in detail, with numerous selected examples, all the design tools of the two-dimensional design platform (Sketch), the three-dimensional modelling platform of simple solids (Part) and the three-dimensional assembly platform of design products (Assembly). At the end of each chapter, well-chosen examples have been created to understand the concepts and design tools mentioned, as well as design and assembly methodologies using parametric systems of applied modelling, CAD.

