

الإستفادة من مجموعات البناء الروبوتية في النمذجة التفاعلية

Benefit from robotic construction kits in interactive modeling

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Summary of Research

The Research Discusses the Ability to using Robot Construction Kits at Interactive Prototyping for Industrial Design Ideas; the Research has been divided into Four Sections, as Follows:

The First Section was The Research Intro, Which Contains introduction, the research Subject, The Research Purpose, the research Problem, the goal ,the importance and the hypothesis of Research.

The second Section discusses the main Concept of construction Kits and Robot Construction kits, the begging of construction Kits, also this Section presents a studying Example for Robotic Kits to Identify and Classify the general components of robotic kits.

The third section discusses the begging of Interactive Prototyping, The main Concept of Interactive Prototyping and some Examples of using Interactive Prototyping at the field of industrial Design.

The Fourth Section discusses the relation between robot Construction Kits and the Interactive Prototyping at the field of industrial Design, also this Section Discusses The ability to Using robot Construction Kits in interactive Prototyping for Industrial Design Ideas (Learning and Practice) ,and how To achieve that.

At the end, The Research presents the reached Resulted.

Key Words

Interactive Prototyping – Construction Kits – Robot Construction Kits – Learning Interactive Prototyping