Answer on Question # 44769, Engineering, SolidWorks | CosmoWorks | Ansys

Task: Does the design pattern play any important role in the development of quality applications by using structured and object oriented paradigm? give your answer with solid reasons...

Answer:

Design patterns are reusable solutions to problems that recur in many applications. A pattern serves as a guide for creating a "good" design. Patterns are based on sound common sense and the application of fundamental design principles. These are created by people who spot repeating themes across designs. The pattern solutions are typically described in terms of class and interaction diagrams. Examples of design patterns are expert pattern, creator pattern, controller pattern, etc.

In addition to providing the model of a good solution, design patterns include a clear specification of the problem, and also explain the circumstances in which the solution would and

would not work. Thus, a design pattern has four important parts:

• The problem

• The context in which the problem occurs

• The solution

• The context within which the solution works

So, design pattern plays important role!