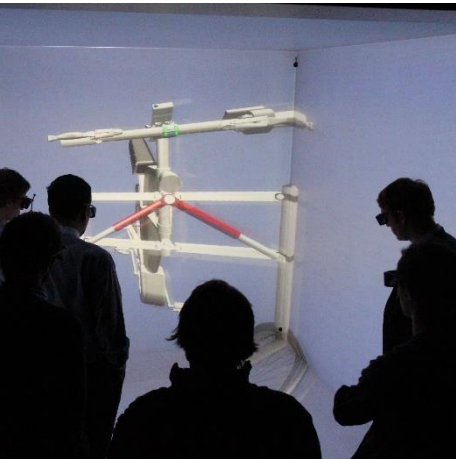


Study of interchangeable functions in the frame of MBSE, using the example of road marking paint devices

Master's thesis (30 LP) / Project Work (6 LP)



Description

Functional modeling is one of the fundamental steps in product design. With functions and functional models, it is possible to describe all actions and processes of a product, build logical connections between activities and identify key functional flows.

Tasks

- Literature study of functional modeling techniques and methodologies
- Describe the work of interchangeable functions and describe the types of functions and functional flows
- Define limits and advantages of interchangeable functions

Requirements

- Fundamental understanding of product design phases and product modelling
- Good system architecture thinking
- Self initiative, independence and analytical skills

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