Summary of MF2030 - Mechatronics Basic Course

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1 Modeling

Validation, are we designing the right system? Done with the system requirements and specification in mind. **Verification**, are we designing the system right? This is asked to the user to see if it fulfills the task as good as possible. Models of a design solution are intermediate results of system design. These models are verified and assessed to the extent that is possible with a model (the model is not a physical system). Since the model is just a model it is often not capable to describe the whole system but will focus on a couple of different aspects. They are often dynamic and they are often run in simulation as an essential analysis of the models behaviour.