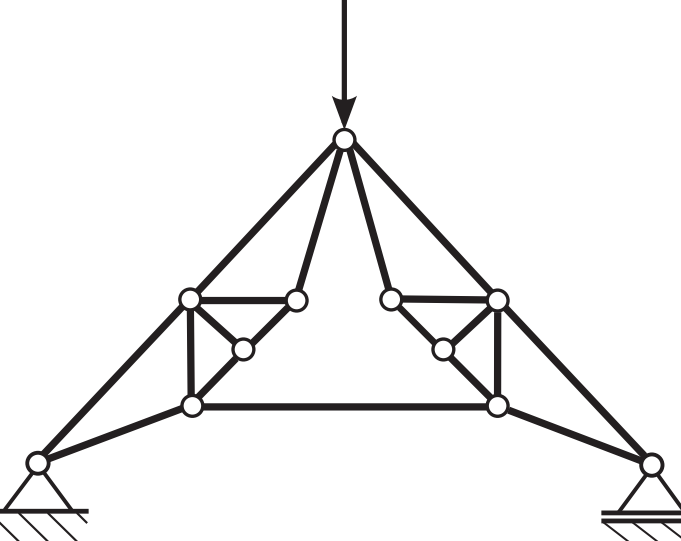
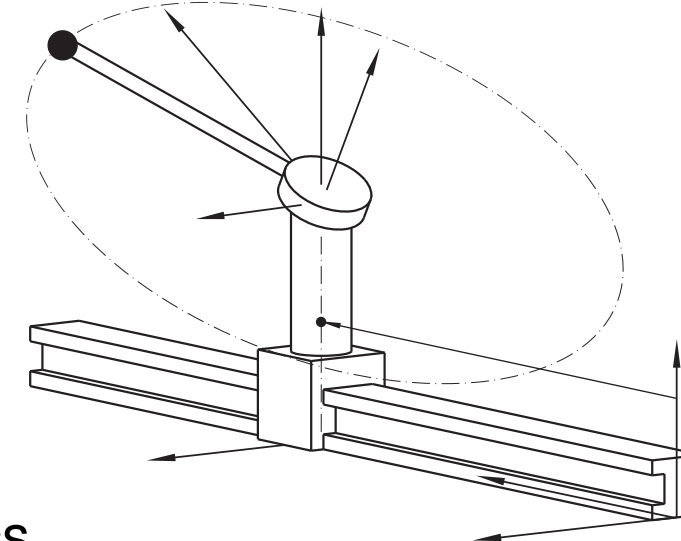
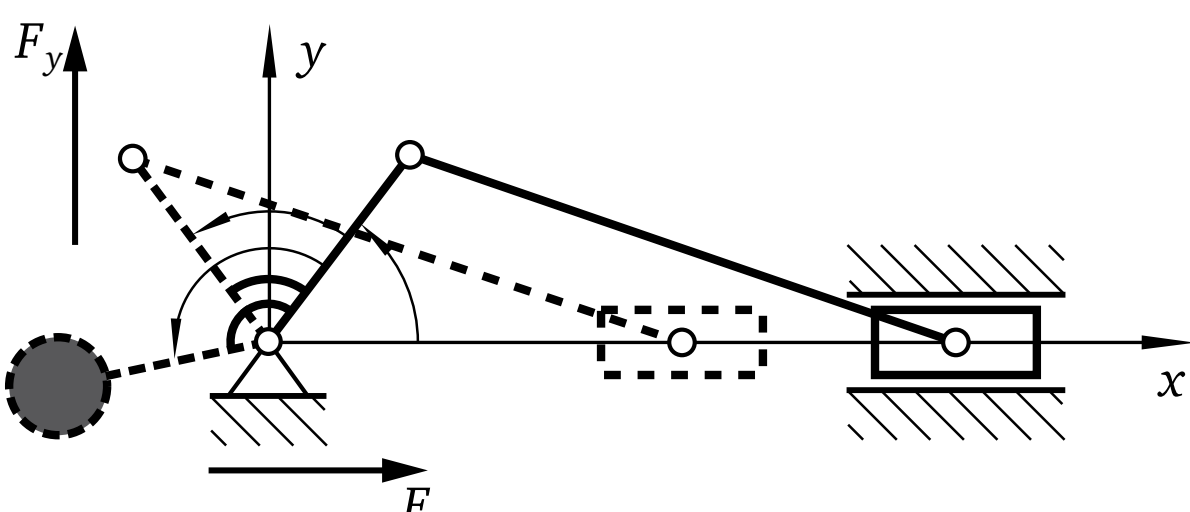
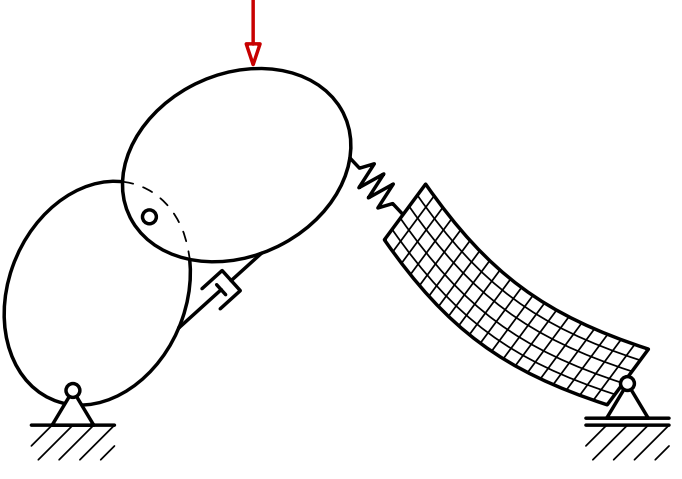
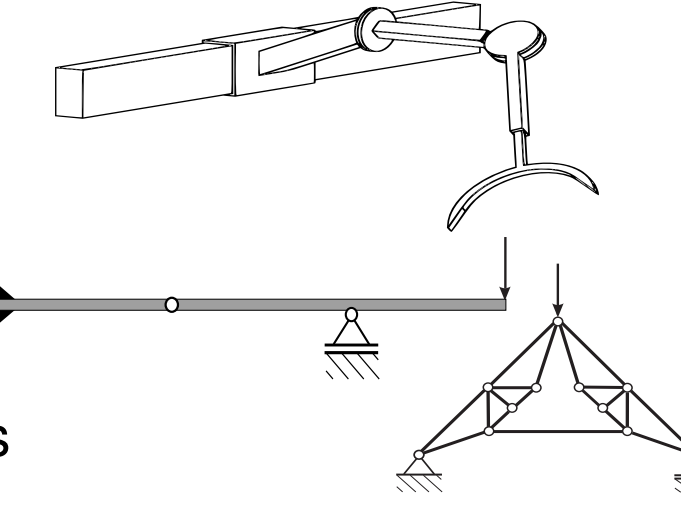
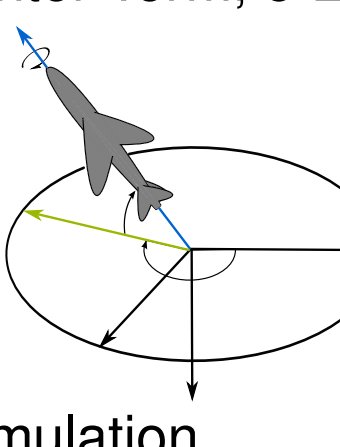
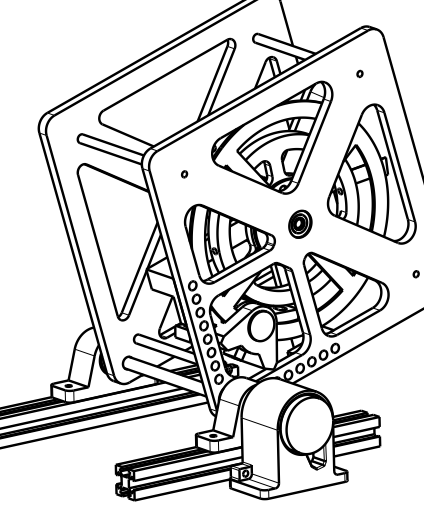

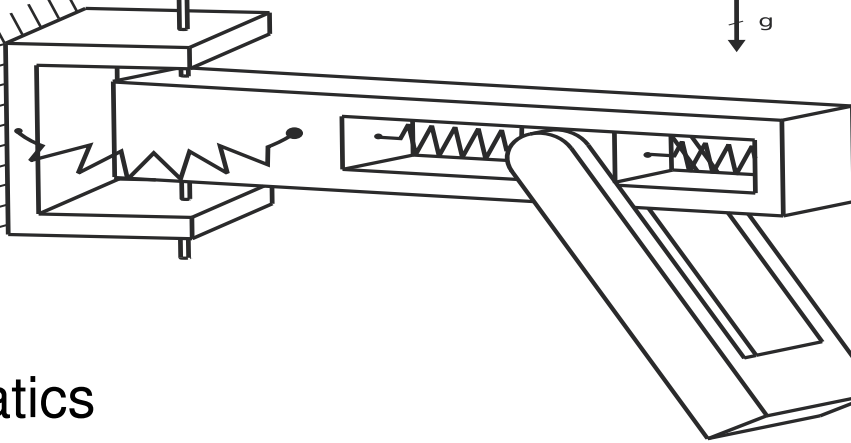
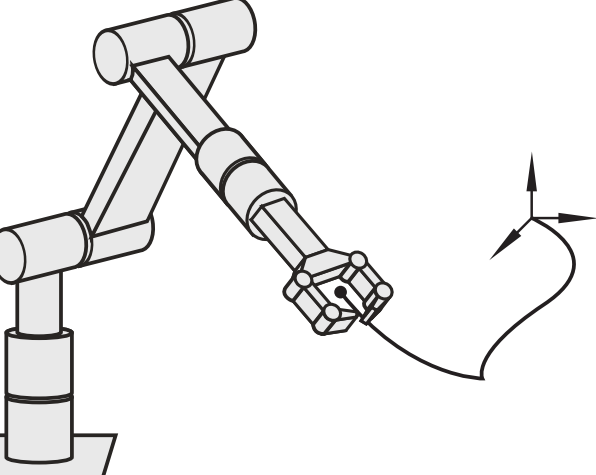
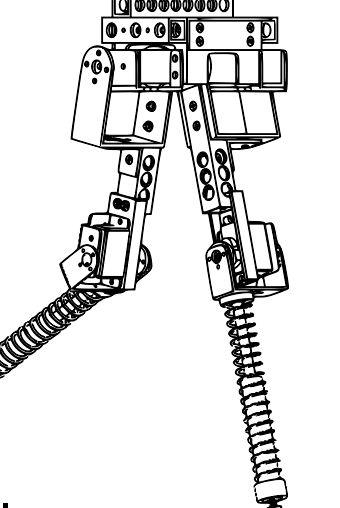
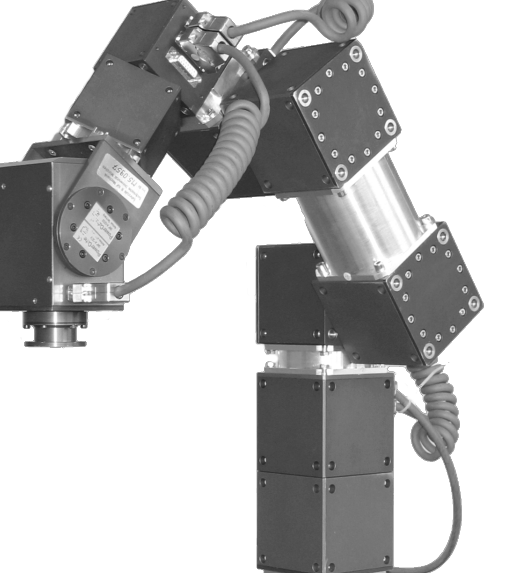
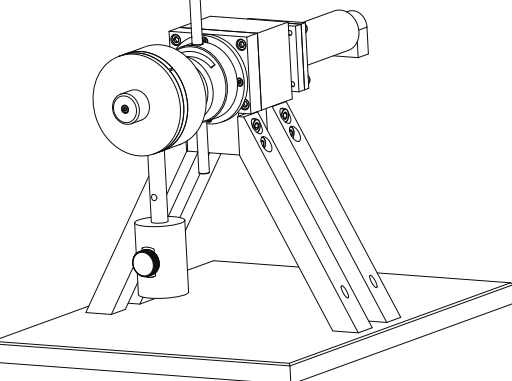
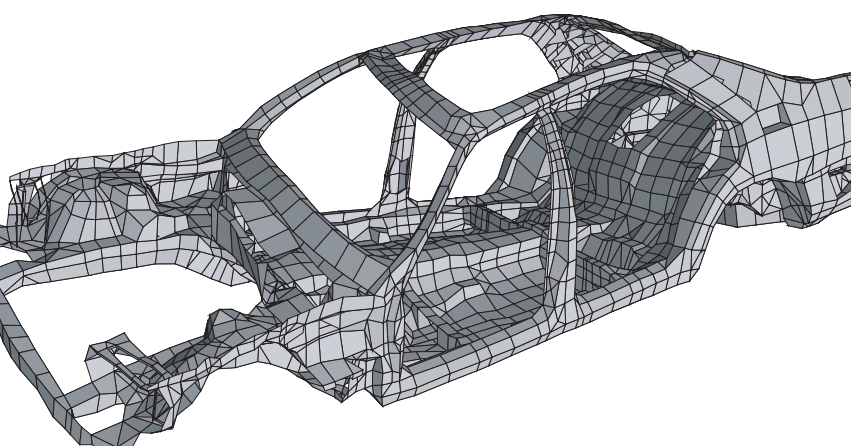
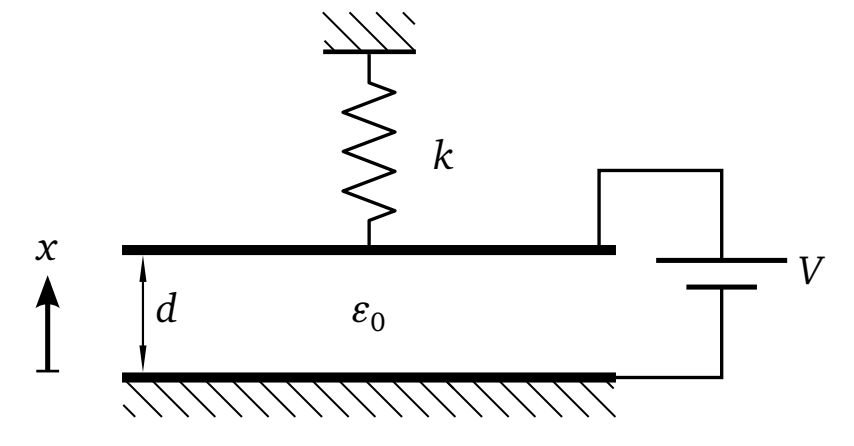
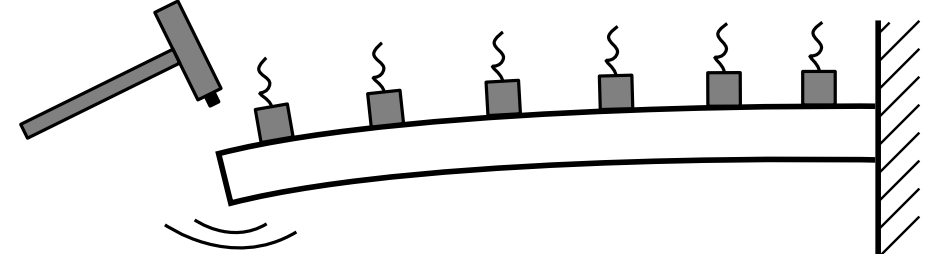
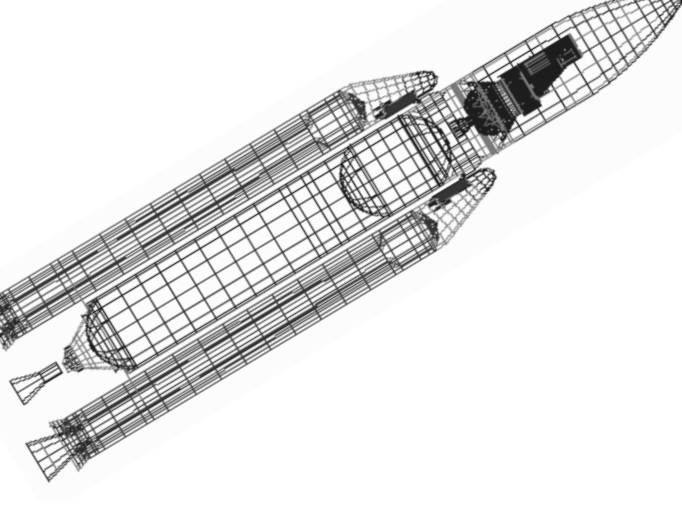
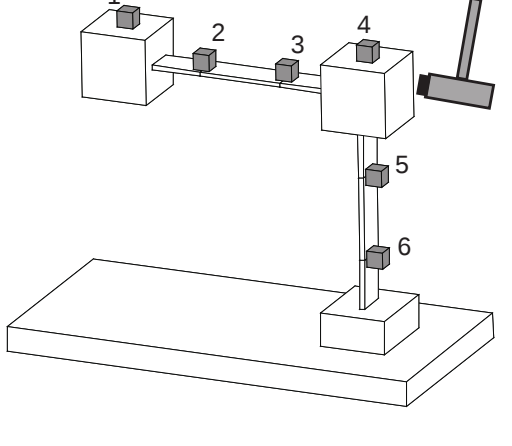


Overview Teaching

Bachelor

Bachelor and Master

Master

<p>Engineering Mechanics 1 (Winter Term, 6 ECTS)</p>  <p>Statics Forces and Torques</p> <p>Lecture German</p>	<p>Engineering Mechanics 3 (Winter Term, 7 ECTS)</p>  <p>Kinematics Kinetics</p> <p>Lecture German</p>	<p>Machine Dynamics (Summer Term, 5 ECTS)</p>  <p>Minimal Models Vibration Phenomena</p> <p>Lecture German</p>	<p>Multibody Simulation (Summer Term, 3 ECTS)</p>  <p>Modeling Constraints Time Integration</p> <p>Lecture English</p>	
<p>Mechanics for Electrical Engineering (Winter Term, 6 ECTS)</p>  <p>Statics Kinematics Kinetics</p> <p>Lecture German</p>	<p>Dynamic Simulation for Vehicles, Machines, and Mechanisms (Winter Term, 5 ECTS)</p>  <p>Modeling and Simulation Machine and Multibody Dynamics</p> <p>Lecture English</p>	<p>Project Seminar (Both Terms, 12 ECTS)</p>  <p>Theory Hands-on Practical Research</p> <p>Seminar German & English</p>	<p>Applied Mechanics Seminar (Summer Term, 3 ECTS)</p>  <p>Current Examples from Research and Industry</p> <p>Seminar German & English</p>	
<p>Engineering Dynamics (Winter Term, 5 ECTS)</p>  <p>Kinematics Kinetics Vibrations Numerical Methods</p> <p>Lecture English</p>	<p>Robot Dynamics (Summer Term, 5 ECTS)</p>  <p>Kinematics Dynamics Planning Control</p> <p>Lecture German & English</p>	<p>Applied Biorobotics (Summer Term, 6 ECTS)</p>  <p>Legged Robots Bio-inspired Control Optimization</p> <p>Lecture English</p>	<p>Robot Dynamics (Summer Term, 4 ECTS)</p>  <p>Algorithms Simulation Practice</p> <p>Lab Course German</p>	<p>Engineering Mechanics Vibrations (Winter Term, 4 ECTS)</p>  <p>Lab Practice Understanding through Experiment</p> <p>Lab Course German</p>
<p>Dynamics of Structures (Summer Term, 5 ECTS)</p>  <p>Finite Elements Numerical Methods</p> <p>Lecture English</p>	<p>Dynamics of Mechanical Systems (Winter Term, 5 ECTS)</p>  <p>Formalisms in Dynamics Multiphysical Coupling</p> <p>Lecture English</p>	<p>Experimental Vibration Analysis (Summer Term, 5 ECTS)</p>  <p>Sensors Signal-, Modal- and Time-Frequency-Analysis</p> <p>Lecture English</p>	<p>Structural Dynamics (Summer Term, 4 ECTS)</p>  <p>Finite Elements Numerical Methods</p> <p>Lab Course English</p>	<p>Experimental Vibration Analysis (Summer Term, 4 ECTS)</p>  <p>Lab Practice Experimental Application</p> <p>Lab Course German</p>