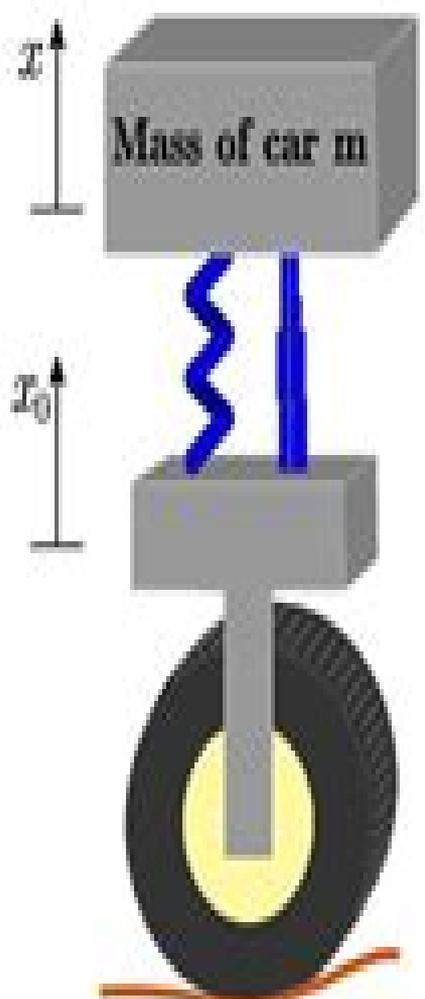
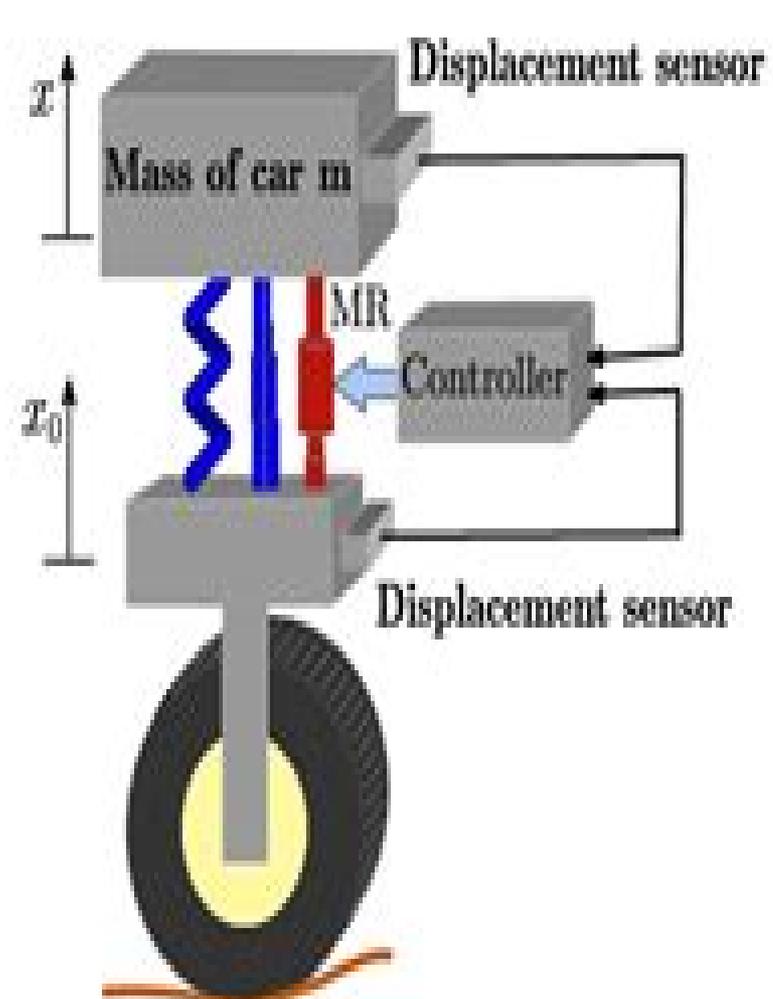


$$B_1^2 = \frac{k_1}{m}, \quad B_1 = \frac{k_2}{m}, \quad B_2 = \frac{C_1}{m}, \quad B_3 = \frac{C_2}{m}, \quad F_1 = A\Omega_1^2.$$



a) Passive suspension



b) Active suspension



c) Practical suspension

Fig. 1. The quarter-car model

Quarter Car Model In Adams

Christian G. Meyer



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CADAM 2012 - Proceedings , **Proceedings of International Conference on Intelligent Manufacturing and Automation** Hari Vasudevan,Vijaya Kumar N. Kottur,Amool A. Raina,2018-11-04 This book presents the outcomes of the International Conference on Intelligent Manufacturing and Automation ICIMA 2018 organized by the Departments of Mechanical Engineering and Production Engineering at Dwarkadas J Sanghvi College of Engineering Mumbai and the Indian Society of Manufacturing Engineers It includes original research and the latest advances in the field focusing on automation mechatronics and robotics CAD CAM CAE CIM FMS in manufacturing product design and development DFM DFA FMEA MEMS and Nanotechnology rapid prototyping computational techniques industrial engineering manufacturing process management modelling and optimization techniques CRM MRP and ERP green lean agile and sustainable manufacturing logistics and supply chain management quality assurance and environment protection advanced material processing and characterization and composite and smart materials

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