

Models Of Mechanics

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Preface.- I. General Background. 1. Introduction. 2. Open Scheme.- II. Basic Models: Geometry and Universal Laws. 3 Bodies and their placements in E. 4 Discrete Model. 5. One-Dimensional Model. 6. Pipe Flow. 7. Three-Dimensional Model.- III Complete models by adding particular laws. 8. Particular Laws. 9. Small Displacement Theories. 10. Pipe flow models. 11. Models of Fluid Mechanics. 12. Kinematic Constraints, beams and rigid bodies.- IV Appendices. A. Sets and Functions. B. Euclidean point and vector spaces. C. Tensors and some mathematical background. D. Note on physical dimensions.- Notation. References. Index. EAN/ISBN : 9781402048357 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Klarbring, Anders

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