

Acceleration Practice Problems

Complete the following. Show all work and be sure to label your answers with the proper units!

1. The speed of a motorcycle increases from 10 km/hr to 50 km/hr in 10 seconds. What is its acceleration?
2. The speed of a train increases from 100 km/hr to 250 km/hr in 3 minutes. What is its acceleration?
3. A car is traveling at 15 m/hr. Two minutes later it is traveling at 70 m/hr. What is its acceleration?
4. What is the acceleration of a baseball when its speed increases from 5 m/hr to 25 m/hr in 2 seconds?
5. A plane increases its speed from 400 km/hr to 700 km/hr in 0.50 hour. What is its acceleration?

Acceleration Practice Problems Answers

Dara W. Childs, Andrew P. Conkey



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Evidence-informed reasoning of pre- and in-service teachers Ingo Kollar, Martin Greisel, Robin Stark, 2023-06-14

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Rybalchenko, 2012-01-21 This book constitutes the refereed proceedings of the 13th International Conference on Verification Model Checking and Abstract Interpretation VMCAI 2012 held in Philadelphia PA USA in January 2012 co located with the Symposium on Principles of Programming Languages POPL 2012 The 26 revised full papers presented were carefully reviewed and selected from 70 submissions The papers cover a wide range of topics including program verification model checking abstract interpretation static analysis deductive methods program certification debugging techniques abstract domains type systems and optimization **The Engineering Dynamics Course Companion, Part 2** Edward

Diehl, 2022-05-31 Engineering Dynamics Course Companion Part 2 Rigid Bodies Kinematics and Kinetics is a supplemental textbook intended to assist students especially visual learners in their approach to Sophomore level Engineering Dynamics This text covers particle kinematics and kinetics and emphasizes Newtonian Mechanics Problem Solving Skills in an accessible and fun format organized to coincide with the first half of a semester schedule many instructors choose and supplied with numerous example problems While this book addresses Rigid Body Dynamics a separate book Part 1 is available that covers Particle Dynamics

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