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and quantum mechanics) make corrections to classical mechanics generally only in extreme situations (black holes, neutron stars, atomic structure, superconductivity, and so forth). Given that general relativity and quantum mechanics are much harder theories to apply, it is no wonder that scientists revert to classical mechanics whenever possible.

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Lecture Notes on Classical Mechanics (A Work in Progress) Daniel Arovas Department of Physics University of California, San Diego May 8, 2013

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Physics for scientists and engineers: R.A. Serway, and R.J. Beichner, Fifth edition, Vol. 1 (Saunders College Publishing, Orlando FL, 2000). 1.2 What is classical mechanics? Classical mechanics is the study of the motion of bodies (including the special case in which bodies remain at rest) in accordance with the general principles

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PART OF MECHANICS THE FUNDAMENTALS These lectures are based on a book that I am writing, or at least trying to write. For many years I have been saying that I would like to write a book (or series of books) called Physics for Mathematicians. Whenever I would tell people that, they would say, Oh good, you're going to explain quantum mechanics, or

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Finn, J. Michael. Classical mechanics / J. Michael Finn. p. cm. ISBN 978-1-934015-32-2 (hardcover) 1. Mechanics. I. Title. QCl25.2.F56 2008 531â€”dc22 2008015455 6048 Printed in the United States of America 13 12 11 10 09 1098765432 1

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