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The Geometry of Physics

The Geometry of Physics Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, S~ao Paulo, Delhi, Tokyo, Mexico City Cambridge University Press The Edinburgh Building, Cambridge CB28RU, UK Published in the United States of America by Cambridge University Press, New York

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Part III: Applications of Differential Geometry to Physics

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Differential Geometry in Physics

forms and their applications to Physics It is the purpose of these notes to bridge some of these gaps and thus help the student get a more profound understanding of the concepts involved We also provide a bridge between the very practical formulation of classical differential geometry and the

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Part III: Applications of Differential Geometry to Physics

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Defects and Geometry in Condensed Matter Physics David R ...

Defects and Geometry in Condensed Matter Physics Lyman Laboratory of Physics, Harvard University CAMBRIDGE UNIVERSITY PRESS Contents Preface to the book xi Acknowledgements xiii 1 Fluctuations, renormalization and universality 1 11 Fluctuations and universality in condensed matter physics 2 12 The universal Prandtl number in two

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graduate students working in various areas of theoretical physics, the topics were chosen in order to optimize overlap with condensed matter physics, particle physics, and cosmology In the introduction we give a brief overview on the relevance of topology and geometry in physics, describe the outline of ...