Elementary Differential Geometry (Paperback)

By Lecturer in Mathematics Andrew Pressley

Springer London Ltd, United Kingdom, 2010. Paperback. Book Condition: New. 2nd ed. 2010. 229 x 155 mm. Language: English . Brand New Book. Elementary Differential Geometry presents the main results in the differential geometry of curves and surfaces suitable for a first course on the subject. Prerequisites are kept to an absolute minimum - nothing beyond first courses in linear algebra and multivariable calculus - and the most direct and straightforward approach is used throughout. New features of this revised and expanded second edition include: a chapter on non-Euclidean geometry, a subject that is of great importance in the history of mathematics and crucial in many modern developments. The main results can be reached easily and quickly by making use of the results and techniques developed earlier in the book. * Coverage of topics such as: parallel transport and its applications; map colouring; holonomy and Gaussian curvature.* Around 200 additional exercises, and a full solutions manual for instructors, available via.

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