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Autore	Palmer Paul I.
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7.3 Angles: degrees and radians; 7.4 Calculating angles given a trigonometric ratio; 7.5 Cosine and sine rules for non-right-angled triangles; 7.6 Exercises; 8 Vectors; 8.1 What is a vector?; 8.2 Resolving a vector; 8.3 Vector algebra; 8.3.1 Adding and subtracting vectors; 8.3.2 Multiplying a vector by a scalar; 8.3.3 The resultant of two perpendicular vectors; 8.4 Resolving non-perpendicular vectors; 8.5 Exercises; 9 Calculus 1: Differentiation; 9.1 A graphical interpretation of differentiation; 9.2 A general formula for differentiation
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Sommario/riassunto

Maths for Geoscientists is an accessible, student-friendly introduction to the essential mathematics required by those students taking degree courses within the Geosciences. Clearly structured throughout, this book carefully guides the student step by step through the mathematics they will encounter and will provide numerous applied examples throughout to enhance students understanding and to place each technique into context. Opening with a chapter explaining the need for studying mathematics within geosciences the book then moves on to cover algebra, equations, solutions, log
