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Chapter 8. Rock masses: deformability, strength and failure; 8.1 The nature of rock masses; 8.2 Questions and answers: rock masses; 8.3 Additional points; Chapter 9. Permeability; 9.1 Permeability of intact rock and rock masses; 9.2 Question and answers: permeability; 9.3 Additional points; Chapter 10. Anisotropy and inhomogeneity; 10.1 Rock masses: order and disorder; 10.2 Questions and answers: anisotropy and inhomogeneity; 10.3 Additional points; Chapter 11. Testing techniques; 11.1 Rock properties; 11.2 Questions and answers: testing techniques; 11.3 Additional points
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Chapter 19. Underground excavation instability mechanisms

Sommario/riassunto

Engineering Rock Mechanics Part II: Illustrative Worked Examples can be used as an independent book or alternatively it complements an earlier publication called Engineering Rock Mechanics: An Introduction to the Principles by the same authors. It contains illustrative worked examples of engineering rock mechanics in action as the subject applies to civil, mining, petroleum and environmental engineering. The book covers the necessary understanding and the key techniques supporting the rock engineering design of structural foundations, dams, rock slopes, wellbores, tunnels, caverns, hydroel
