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Titolo	An Introduction to Geological Structures and Maps [[electronic resource] /] / by G. M. Bennison
Pubbl/distr/stampa	Boston, MA : , : Springer US, , 1990
ISBN	1-4615-9630-0
Edizione	[Fifth edition.]
Descrizione fisica	1 online resource (X, 70 p.)
Disciplina	500
Soggetti	Science Science, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1 Horizontal and dipping strata -- Contours, section drawing, vertical exaggeration; Dip, structure contours, construction of structure contours, section drawing; True and apparent dip; Calculation of thickness of a bed, vertical and true thickness; Width of outcrop; Inliers and outliers. -- 2 'Three-point' problems -- Construction of structure contours; Insertion of outcrops; Depth in boreholes. -- 3 Unconformities -- Overstep; Overlap; Sub-unconformity outcrops. -- 4 Folding -- Anticlines and synclines; Asymmetrical folds, overfolds and isoclinal folds; Similar and concentric folding; Two possible directions of strike. -- 5 Faults -- Normal and reversed faults; The effects of faulting on outcrops; Classification of faults, dip-slip, strike-slip and oblique-slip faults; Dip faults and strike faults; Calculation of the throw of a fault; Wrench or tear faults; Pre- and post-unconformity faulting; Structural inliers and outliers; Posthumous faulting; Isopachytes. -- 6 More folds and faulted folds -- Plunging folds, calculation of the amount of plunge; The effect of faulting on fold structures; Displacement of folds by strike-slip (wrench) faults, calculation of strike-slip displacement; Faults parallel to the limbs of a fold; Sub-surface structures; Posthumous folding; Polyphase folding; Bed isopachytes. -- 7 Complex structures -- Nappes; Thrust faults; Axial plane cleavage. -- 8 Igneous rocks -- Concordant intrusions, sills; Lava flows and tuffs; Discordant intrusions, dykes, ring- dykes, cone-sheets, stocks, bosses and batholiths, volcanic necks. -- Description of a

