Elements of Photogrammetry with Application in GIS (Hardback)

By Paul R Wolf, Bon A DeWitt, Benjamin E Wilkinson

McGraw-Hill Education - Europe, United States, 2014. Hardback. Book Condition: New. 4th Revised edition. 231 x 157 mm. Language: English . Brand New Book. The new edition of this definitive photogrammetry text covers the latest technological advances in this evolving field. Essential for students and professionals, Elements of Photogrammetry with Application in GIS covers both the basic foundational principles of photogrammetry as well as important advanced concepts and applications. In the ten years since the previous edition was published, there have been numerous technological advances in photogrammetric sensors and processing methods. Specifically, there has been an increasing shift towards digital imagery, softcopy computer processing, aerial control, and direct georeferencing, as well as an increased use of laser scan mapping. This fully updated edition covers all of these developments. New to this Edition: New chapter on laser scanning (LIDAR) systems Coverage of up-to-date imaging systems (large format digital cameras), measuring systems, and modern photogrammetric products New material on the integration of GPS and INS (global positioning system and inertial navigation system measurements) and their use in direct georeferencing of images Theory, equations, and processing steps for 3-line scan imagery In-depth coverage: Principles of Photography and Imaging; Cameras and Other Imaging Devices;...

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