

Photogrammetric Engineering

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COVER PAGE—Gemini V photograph of the Salt Range and Potwar Plateau in north-central West Pakistan. Geographic features and place names are from existing charts. Geologic features, identified mainly on the basis of personal knowledge of the area, are labelled with numbers and letters explained on page 152.

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What Photogrammetric Engineering Is

PHOTOGRAMMETRIC ENGINEERING is the American journal devoted to the techniques, applications, and improvements in photogrammetry, which may be defined as the science, art, and technology of obtaining reliable measurements and reliable qualitative information through photography. The predominate application of this technology consists of the production of topographic (three-dimensional) maps, or surveys, from photographs taken from airplanes, including similar measurements for the construction industry, property boundaries, stockpile volumes, etc. Another very

important aspect is called "photographic interpretation" in which highly accurate discrete information is recognized for forestry, soils, geology, military defense, urban area analysis, archaeology, etc. Numerous special applications include X-ray technology, dentistry, laboratory deformation of construction materials, shapes of radar telescope dishes, etc. Conventional photogrammetry is sometimes correlated with "remote sensing" in which some kinds of data are recorded and analyzed such as infrared scanning systems, and scintillometers and magnetometers for mineral exploration.