

Application of Synthetic Aperture Radar Interferometry

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Synthetic Aperture Radar (SAR) Interferometry is rapidly becoming an important cartographic and geodetic tool. This lecture will demonstrate the power of SAR interferometry for generating topography, for measuring surface displacements due to earthquakes and volcanic activity, for classifying surfaces covers, and for hazard monitoring and assessment. Illustrations of applications to these areas will be presented. Practical considerations for audience members interested in using available data in their own applications will be described.