Abstract

Synthetic aperture radar (SAR) has been commonly used in many civilian and military application, and the SAR with moving targets indication is a very hot topic in recent years. As a lot of literatures discussed, if the returns from moving target are method in the same way as the motionless returns, the moving object will appear as an azimuth shift due to range motion and the image of the target will be messy in the azimuth direction due to azimuth motion. The high resolution interferograms above vegetation or urban area are varied, which will break the local stationary theory and make it difficult to get a large number of independent and identically distributed samples for interferometric noise suppression.

References


Index Terms

Computer Science

Image Processing
Keywords

SAR (synthetic aperture radar), DEMs (digital elevation models) Electromagnetic (EM)