Abstract

The extraction of geospatial information from imagery is generally a labor-intensive process. Automated tools that could assist analysts in this process would be of tremendous benefit for production at the National Imagery and Mapping Agency (NIMA). This paper examines an ArcGIS extension called Feature Analyst. The performance evaluation consisted of a series of tests in which NIMA and Army cartographers extracted a variety of geospatial features using both Feature Analyst and manual methods. Results indicate Feature Analyst reduces extraction time by a factor of 5 to 10 over small areas and possibly several orders of magnitude over large areas.

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