



A METHOD FOR REGISTRATION OF URBAN AERIAL IMAGES TAKEN BEFORE AND AFTER A DISASTER

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ABSTRACT: Many methods of automatic analysis of wide urban areas after a large-scale disaster using aerial images have been researched. For their automation, images must be registered automatically. In this paper, we propose a new method of automatic registration of urban aerial images taken before and after a disaster. First, this method detects feature points whose changes are few in the images taken before and after the disaster. Then, this method registers the images automatically by using the locations of the feature points and a geometric transformation.

Key Words: Disaster, Urban Area, Aerial Images, Automatic Registration