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Tesfaye G-Michael* (tesfaye.g-michael@navy.mil). *Automatic Change Detection via Clustering.*

Automatic change detection is a tool for identifying subtle differences manifesting over time. A wide range of applications benefit from automatic change detection, such as security surveillance systems and health monitoring devices. In this work we explore the use of the popular k-means clustering method as a tool for discovery and characterization of the present state of a scene in order to track changes in the scene which occur over time. (Received January 29, 2019)