

Timing Equation for Capturing Satellite Thermal Images

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Abstract : The Asphalt object represents the asphalted areas, like roads. The best original data of thermal images occurred at a specific time during the days of the year, by preventing the gaps in times which give the close and same brightness from different objects, using seven sample objects, asphalt, concrete, metal, rock, dry soil, vegetation, and water. It has been found in this study a general timing equation for capturing satellite thermal images at different locations, depends on a fixed time the sunrise and sunset; Capture Time= $T_{cap} = (T_M * T_{SR}) \pm T_S$.

Keywords : asphalt, satellite, thermal images, timing equation

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