ESTIMATIVA DA POPULAÇÃO APOIADA POR CLASSIFICAÇÃO DE IMAGEM ORBITAL: UMA APLICAÇÃO PEOPLE IN PIXEL

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ABSTRACT

This research has as objective to apply a methodology named by "People in Pixel", using an Landsat 5 Thematic Mapper (TM) image, dated September 2010, from Cabo Frio, a brazilian municipality in Rio de Janeiro state. This methodology helps to estimate people quantity by pixel relating population data from political divisions and land cover classification from the same area. This study has produced good results and possibilities of use to refine census information, estimating population in differents kinds of intensity of human occupations, also it have shown useful in others types of analyses that depends on spatial distribution of population.

Keywords: SensoriamentoRemoto, Geoprocessamento, People in Pixel.