



SATELLITE IMAGE SEARCH

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ABSTRACT

The following paper discusses the Satellite Image Search project that has been conducted for the final year project. The project itself is a program which reduces the amount of human labour involved in scanning satellite images of the sea for flotsam. The program flags images which it believes there is something of interest in, reducing the number of images the user has to examine by eye. The inspiration for the project stemmed from the incident of the missing Malaysian airways plane, MH370 where organisations around the world were searching for debris or signs of the plane, including a crowdsourced project looking at satellite images. The project has helped to establish strong programming abilities, and build upon what has been learnt in the Image Analysis module. The project can be in theory retrained to function as a search device in other similarly barren/repetitive landscapes, such as forests, deserts or snowscapes.



Figure 1. Satellite image of the sea



Figure 2. 50x50 satellite image of sea



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R Palmer, Satellite Image Search, *Proc. 13th School Conf. for Annual Research Projects*, V F Ruiz (Ed), pp. xx-yy,
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