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Distribution Analysis of Farm Product Field by Remote

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Abstract

This paper proposes a new method to estimate the distribution of fa analyzing the satellite image. In this study the konjac field is dealt wi product field. However, it is expected that the result of this study is farm products as well as the konjac. The procedure of the land cove proposed method is as follows.

1) The likelihood values are estimated by using the pixel values of tl satellite image, the NDVI and the NDCI as the evaluation index.

2) The land cover classification is performed by judging the likeliho standard likelihood value corresponding to the reliability.

The field survey and satellite image photography were executed simu
where the farm product fields crowd. The proposed method and the
method were applied to the obtained satellite image, and the classifi
satellite image was executed. It was confirmed that the both metho
the field survey result with a fair degree of precision. It became cle
method gives more satisfactory result than the maximum likelihood
the both methods.

Keywords: farm product field, satellite image, land cover classifica
likelihood method

[PDF (1047K)] [References]

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