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图形、图像、模式识别

推广GAC模型在运动目标分割中的应用

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摘要 针对视频序列运动目标的分割，研究了传统的运动目标检测算法和基于推广GAC模型的图像分割算法的优势和缺陷，并将二者进行系统的结合，由“粗”到“细”地实现了对运动目标边缘的精确分割。实验表明，算法简单有效，在保证目标分割实时性的前提下，发挥了推广GAC模型在目标分割中的优势。

关键词 推广的GAC模型 运动目标分割 运动目标检测

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Application of promotion GAC model in moving object segmentation

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Abstract

For the segmentation of moving object in video sequence，the advantages and drawbacks of the traditional moving object detection algorithm and the image segmentation based on the promotion GAC model are researched.Both algorithms are combined in the system and the edge of the object is segmented accurately from “rough state” to “fine contour”.Experiment results indicate that the algorithm is simple and effective.On the premise of the real-time capability of the object segmentation，it exerts the advantages of the promotion GAC model in the areas of object segmentation.

Key words promotion GAC model moving object segmentation moving object detection

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