情報電子工学科工学科　論文発表

題名	Multi-scale Subnetwork for RoI Pooling for Instance Segmentation
掲載雑誌	Procs. of The 11th International Conference on Advanced Computer Theory and Engineering
著者	Tran Duy Linh and Masayuki Arai
概要	Instance segmentation is a challenging task in computer vision because object locations in an image must be predicted and segmentation must be performed inside these locations. In the present paper, we propose a new pooling module to extract a small feature map from each Region of Interest for pixel-level prediction. Instead of using RoiAlign pooling, we use a small network module and ensemble the extracted multi-scale features in a feature map. The proposed method can output a better feature map and therefore better pixel-to-pixel alignment between input and output. The results of an experiment reveal that the proposed method outperforms cutting-edge instance segmentation methods.
関連画像