1-HKUST: Multi-frame Faster RCNN for Video Object Detection

Hengyuan Hu[♯], Rui Peng[♯], Yuxiang Wu[♯], Yongyi Lu[♯], Yu-Wing Tai[§], Chi-Keung Tang[♯]

[♯] Hong Kong University of Science and Technology
[§] SenseTime Group Limited

香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

Combine proposals generated by Regional Proposal Network from multiple frames

Separate plug-and-use Tracker module processing Fast RCNN detections

mAP > 48 on validation set