

Video Object Discovery and Co-segmentation with Extremely Weak Supervision

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Abstract. This document provides the qualitative example results of the video object discovery and co-segmentation method proposed in the paper [1] tested on the SegTrack dataset, and presents the example relevant and irrelevant frames of the 10 categories of the new video object co-segmentation dataset proposed in the paper [1].

1 Evaluation on the SegTrack dataset

We present some qualitative example results of our method tested on the 8 videos containing one object of the SegTrack dataset in Fig. 5.

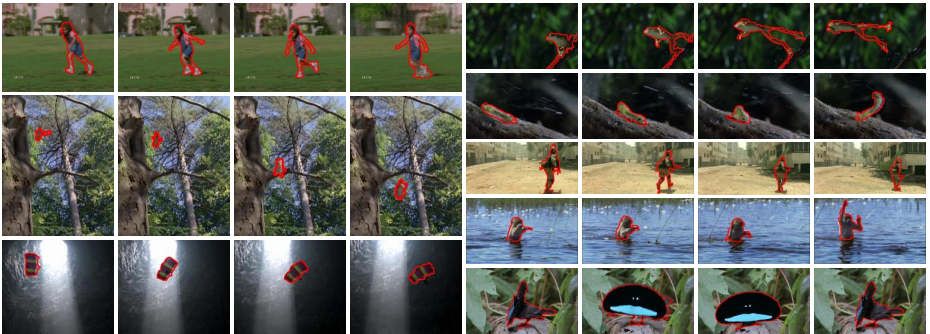


Fig. 5. The qualitative example results of our method tested on the SegTrack dataset.

2 The new video object co-segmentation dataset

We also present some example relevant and irrelevant frames for each of the 10 categories of the new video object co-segmentation dataset in Fig. 6.

* Le Wang participated in this project while working at Stevens Institute of Technology as a visiting Ph.D. student supervised by Prof. Gang Hua.

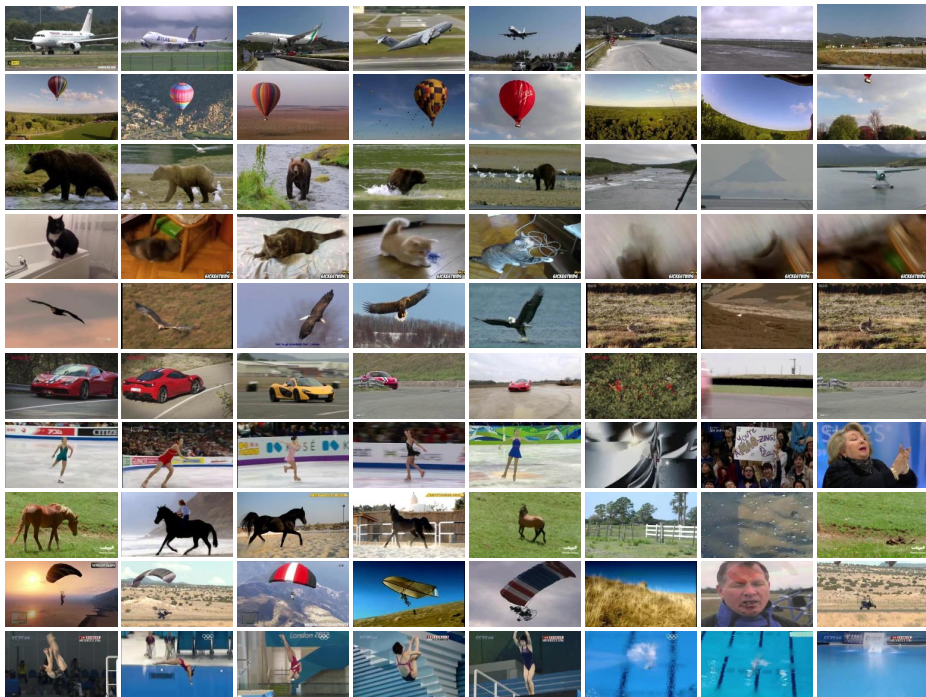


Fig. 6. The 1st to 5th columns and the 6th to 8th columns are example relevant and irrelevant frames for each category of the new 10-categories video co-segmentation dataset, respectively.

References

1. Wang, L., Hua, G., Sukthankar, R., Xue, J., Zheng, N.: Video object discovery and co-segmentation with extremely weak supervision. In: ECCV (2014)