## Coarse-to-fine Foreground Segmentation based on Co-occurrence Pixel-Block and Spatio-Temporal Attention Model

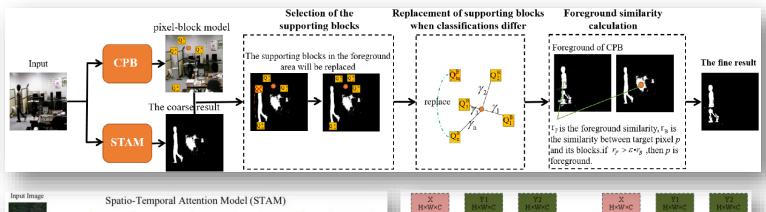
Paper No. 1085

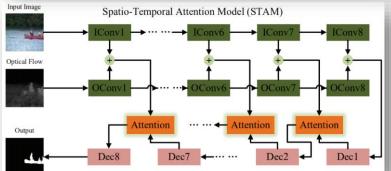
Dong Liang and Xinyu Liu

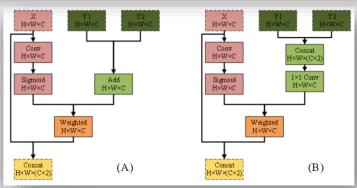
College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, MIIT Key Laboratory of Pattern Analysis and Machine Intelligence

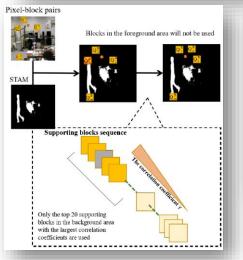
Collaborative Innovation Center of Novel Software Technology and Industrialization, Nanjing, 211106, China

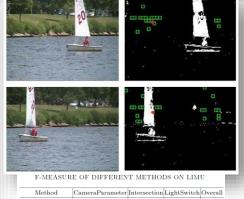












Method	CameraParameter	Intersection	LightSwitch	Overall	
The proposed	0.7484	0.7672	0.8211	0.7789	
STAM[18]	0.6742	0.6237	0.0953	0.4644	
Cascade CNN[15]	0.1025	0.0453	0.0277	0.0585	
FgSegNet[16]	0.2668	0.1428	0.0414	0.1503	
CPB[19]	0.6545	0.6778	0.6633	0.6652	

Method	Bootstrap	Camouflage	${\bf Foreground Aperture}$	LightSwitch	${\rm TimeOfDay}$	WavingTrees	Overall
The proposed	0.7560	0.6884	0.9402	0.9097	0.7949	0.6665	0.7929
STAM[18]	0.7414	0.7369	0.8292	0.9090	0.3429	0.5325	0.6820
DeepBS[14]	0.7479	0.9857	0.6583	0.6114	0.5494	0.9546	0.7512
Cascade CNN[15]	0.5238	0.6778	0.7935	0.5883	0.3771	0.2874	0.5413
FgSegNet[16]	0.3587	0.1210	0.4119	0.6815	0.4222	0.3456	0.3902
CPB[19]	0.6518	0.6112	0.5900	0.7157	0.7564	0.7033	0.6714
SuBSENSE[6]	0.4192	0.9535	0.6635	0.3201	0.7107	0.9597	0.6711
GMM[2]	0.5306	0.8307	0.5778	0.2296	0.7203	0.9767	0.6443
PBAS[30]	0.2857	0.8022	0.6459	0.2212	0.4875	0.8421	0.5624

F-MEASURE OF DIFFERENT METHODS ON WALLFLOWER

