

	UrbanStreet			TUD crossing				
	MD(%)	FA(%)	ID-sw.	Acc.(%)	MD(%)	FA (%)	ID-sw.	Acc. (%)
Our Method	50.3	15.6	73	30.1	12.3	4.5	0	82.9
Co-embedding	57.7	47.0	72	-8.2	14.6	25.1	27	57.8
Trajectory classification	61.0	23.7	71	11.6	18.7	14.5	17	65.2
Bottom-up clustering	78.7	11.5	19	8.5	32.5	8.8	12	57.6
Detectlets	82.6	19.4	49	-4.7	42.6	7.3	81	42.6
Our Method*	44.7	12.0	28	37.5				
Gong et al. [∗]	76.5	24.3	36	-6.8				



3 (1,, 2,)	(2,,							
$\mathbf{y}_{k} = 1_{n_T}, \sum_{k=1}^K X_{D,k} = y_D.$								
etween point ectlets	Confidence score of detectlets in each joint cluster	Normalized-cut score $ncut(\mathbf{W}^{steer}(y_D), X_k) =$						
$\frac{\mathbf{C}(\mathrm{tr}_i,\mathrm{dl}_j)=1\} }{\mathbf{C}(\mathrm{tr}_i,\mathrm{dl}_j)=1\} }$	$confidence(X_{D,k}) = \mathbf{f}^{\top} X_{D,k}$	$\frac{X_k^{\top} \mathbf{W}^{\text{steer}}(y_D) X_k}{X_k^{\top} \text{Diag}(\mathbf{W}^{\text{steer}}(y_D) 1_n) X_k}$						