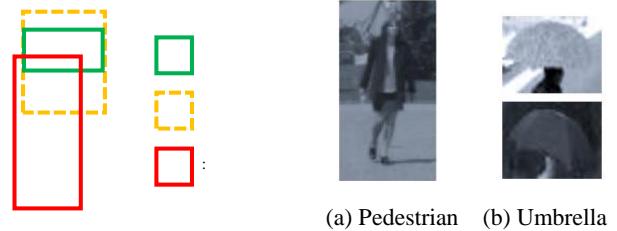


A study on pedestrian detection in raining condition considering the positional relationship of an umbrella and a pedestrian

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1. はじめに

保



(a) Pedestrian (b) Umbrella

Fig. 1 Expanded umbrella frame.

Fig. 2 Positive samples.

2. 雨天時の歩行者検出手法

保

Fig. 3 FROC curves of the proposed method and the conventional method.

保

=2

845

435

保 950

FROC

Fig. 3

Fig. 3

HOG

保

[1] SVM

保
保
保

4. むすび

3. 実験及び評価

保	Daimler	[2]	保
10,000	保	保	12
	60	保	20
20	1.0 1.1		
	10,000	保	
保	Fig. 2		

[1] N. Dalal et al.: Proc. CVPR, pp.886–893, 2005.

[2] M. Enzweiler, et al.: IEEE Trans. PAMI, 31(2): 2179–2195, 2009.