

# **Unconstrained Fashion Landmark Detection via** Hierarchical Recurrent Transformer Networks Sijie Yan, Ziwei Liu, Ping Luo, Shi Qiu, Xiaogang Wang, Xiaoou Tang

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## Visual Results



## **Comparison**

	# VGGs	# bbox anno.	end-to-end	# inference pass	speed (fps)	det. rate (%)
Sliding Window + DFA [18]	1	×	×	17	3.2	2.7
Clothes Proposal + DFA [18]	1	×	×	100	0.5	9.7
Clothes Detector + DFA [18]	2	16K	×	1	5.0	63.1
Joint RPN [20] + DFA [18]	2	16K	$\checkmark$	1	3.9	66.0
Deep LAndmark Network	1	×	$\checkmark$	1	5.2	73.8

## Per-landmark Analysis

			L. Collar	R. Collar	L. Sleeve
-	Fully Convolutional DF	FA	75.4%	75.7%	52.1%
-	Clothes Detector + DFA		76.3%	76.1%	56.3%
-	Joint RPN + DFA		79.5%	79.8%	55.0%
-	DUN		83.3%	83.7%	64.6%
Pe	r-category Analys	is			
	T-shirt		Summe	100	
۱۱ وي	00	100			100
Rat	80	80			80
<b>ioi</b> 60	60	60			60







# Experiments





