

TABLE I  
AVERAGE PERFORMANCE, IN TERM OF PRI MEASURE, OF SEVERAL SEGMENTATION (INTO REGIONS) ALGORITHMS (ABOVE PRI=0.75 AND RANKED ACCORDING TO THEIR MAXIMUM PRI SCORE) ON THE BSD300

ALGORITHMS	PRI [1]
HUMANS <small>(in [2])</small>	0.87
<b>VOIBFM</b>	<b>0.81</b>
-2011- gPb-owt-ucm [3]	<b>0.81</b>
-2010- PRIF [4]	0.80
-2008- CTex [5]	0.80
-2009- MIS [6]	0.80
-2011- SCKM [7]	0.80
-2008- FCR [8]	0.79
-2012- SFSBM [9]	0.79
-2004- FH [10] <small>(in [2])</small>	0.78
-2011- MD2S [11]	0.78
-2009- HMC [12]	0.78
-2009- Consensus [13]	0.78
-2009- Total Var. [14]	0.78
-2009- A-IFS HRI [15]	0.77
-2001- JSEG [16] <small>(in [5])</small>	0.77
-2011- KM [17]	0.76
-2007- CTM [2], [18]	0.76
-2006- Av. Diss. [19] <small>(in [3])</small>	0.76
-2008- St-SVGMM [20]	0.76
-2011- SCL [21]	0.76
-2005- Mscuts [22] <small>(in [14])</small>	0.76
-2003- Mean-Shift [23] <small>(in [2])</small>	0.75
-2008- NTP [24]	0.75
-2010- iHMRF [25]	0.75
-2005- NCuts [22] <small>(in [3])</small>	0.75
-2006- SWA [26] <small>(in [3])</small>	0.75

TABLE II  
AVERAGE PERFORMANCE OF OUR ALGORITHM FOR DIFFERENT PERFORMANCE MEASURES (LOWER IS BETTER) ON THE BSD300

ALGORITHMS	VoI	GCE	BDE
HUMANS	1.10	0.08	4.99
<b>VOIBFM</b>	<b>1.88</b>	<b>0.20</b>	<b>9.30</b>
PRIF [4]	<b>1.97</b>	0.21	<b>8.45</b>
SCKM [7]	2.11	0.23	10.09
MD2S [11]	2.36	0.23	10.37
FCR [8]	2.30	0.21	8.99
CTM [2], [18]	2.02	<b>0.19</b>	9.90
Mean-Shift [23] <small>(in [2])</small>	2.48	0.26	9.70
NCuts [27] <small>(in [2])</small>	2.93	0.22	9.60
FH [10] <small>(in [2])</small>	2.66	0.19	9.95

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