

TABLE I

AVERAGE PERFORMANCE, IN TERM OF PRI MEASURE, OF SEVERAL (REGION-BASED) SEGMENTATION ALGORITHMS ON THE BSD300, RANKED ACCORDING TO THEIR PRI SCORE AND CONSIDERING ONLY THE (PUBLISHED) SEGMENTATION METHODS WITH A PRI SCORE ABOVE 0.75

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

TABLE II

AVERAGE PERFORMANCE OF SEVERAL ALGORITHMS FOR DIFFERENT PERFORMANCE (DISTANCE) MEASURES (LOWER IS BETTER) ON THE BSD300

ALGORITHMS	VoI	GCE	BDE
HUMANS	1.10	0.08	4.99
<b>FMBFM</b>	<b>2.01</b>	<b>0.20</b>	<b>8.49</b>
VOIBFM [3]	1.88	0.20	9.30
MDSCCT [4]	2.00	0.20	7.95
PRIF [6]	1.97	0.21	8.45
SCKM [9]	2.11	0.23	10.09
MD2S [13]	2.36	0.23	10.37
FCR [10]	2.30	0.21	8.99
CTM [2], [20]	2.02	0.19	9.90
Mean-Shift [25] (in [2])	2.48	0.26	9.70
NCuts [28] (in [2])	2.93	0.22	9.60
FH [12] (in [2])	2.66	0.19	9.95

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