

I(x, y) =	$\int R(x, y, \lambda) E(x, y, \lambda) S(\lambda) d\lambda$
$L(x, y, \lambda) =$	$E(x, y, \lambda) S(\lambda) d\lambda$

We cannot be sure about;

- Image x, y: Pixel position Wavelength of the visible spectrum

scene based on;

- ✓ Highest luminance patch

- ✓ We reduce the impact of non-informative pixels
- constancy studies



BLOCK-BASED COLOR CONSTANCY: THE DEVIATION OF SALIENT PIXELS

Oguzhan Ulucan, Diclehan Ulucan, Marc Ebner Department of Computer Science, University of Greifswald, Germany oguzhan.ulucan@uni-greifswald.de



UNIVERSITÄT GREIFSWALD Wissen lockt. Seit 1456

VisionLab

INTEL-TAU				RECommended ColorChecker			
Mean	Median	B.25 %	W.25 %	Mean	Median	B.25 %	W.25 %
11.01	13.16	1.81	19.44	10.27	9.12	1.64	20.50
4.91	3.88	0.96	10.60	4.74	3.61	0.97	10.44
5.51	4.16	0.97	12.29	5.87	4.25	0.75	13.72
6.10	4.23	0.96	14.27	6.42	3.84	0.94	15.83
6.41	4.50	1.04	14.73	6.94	4.41	1.07	16.53
6.00	3.64	0.81	14.90	6.10	3.33	0.79	15.59
7.19	4.67	0.81	16.98	7.24	4.26	0.80	18.05
4.47	3.03	0.69	10.64	4.11	2.52	0.53	10.19
4.17	3.42	0.98	8.61	4.03	3.07	1.40	8.17
3.57	2.56	0.64	8.24	3.81	2.96	0.77	8.35
3.41	2.65	0.79	7.36	4.05	2.93	0.94	8.99
3.69	2.58	0.63	8.60	4.39	2.80	0.52	10.85
8.74	7.89	1.74	17.08	9.23	7.49	2.79	18.11
5.92	4.11	1.04	13.72	6.44	4.73	1.55	14.06
4.29	3.61	1.20	8.53	3.82	3.17	1.46	7.38
3.37	2.63	0.79	7.25	3.48	2.71	1.06	7.35

2603