Chromatic Adaptation under Mixed Illumination Condition when Comparing Softcopy and Hardcopy Images (CIE 162:2004)

ERRATUM (2010-Feb-18)

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6.2 Calculations

Replace equation (6.13) by the following:

$$Y_{adp} = \left[R_{adp} \cdot Y_{n(CRT)}^{1/3} + (1 - R_{adp}) \cdot Y_{ambient}^{1/3}\right]^3 \qquad (6.13)$$

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Replace the existing Annex by the following:

ANNEX: WORKED EXAMPLE

$X_{(CRT)}$	$Y_{(CRT)}$	$Z_{(CRT)}$	38,00	40,00	59,00	Input Data (cd·m^{-2})
$X_{n(CRT)}$	$Y_{n(CRT)}$	$Z_{n(CRT)}$	76,23	80,00	118,63	Input Condition (cd·m^{-2})
$X_{ambient}$	$Y_{ambient}$	$Z_{ambient}$	161,53	160,00	102,01	Input Condition (cd·m^{-2})
$X'_{(CRT)}$	$Y'_{(CRT)}$	$Z'_{(CRT)}$	0,475	0,500	0,738	Eq. 6.5
$X'_{n(CRT)}$	$Y'_{n(CRT)}$	$Z'_{n(CRT)}$	0,953	1,000	1,483	Eq. 6.6
$X'_{ambient}$	$Y'_{ambient}$	$Z'_{ambient}$	1,010	1,000	0,638	Eq. 6.7
$L_{(CRT)}$	$M_{(CRT)}$	$S_{(CRT)}$	0,443	0,519	0,733	Eq. 6.1
$L_{n(CRT)}$	$M_{n(CRT)}$	$S_{n(CRT)}$	0,887	1,036	1,475	Eq. 6.2
$L_{ambient}$	$M_{ambient}$	$S_{ambient}$	1,066	0,991	0,644	Eq. 6.3
F			1,0			Input Condition
L_A			16,00			Input Condition (cd·m^{-2})
D			0,852			Eq. 6.9
$L'_{(CRT)}$	$M'_{(CRT)}$	$S'_{(CRT)}$	0,491	0,504	0,532	Eq. 6.8
$L'_{n(CRT)}$	$M'_{n(CRT)}$	$S'_{n(CRT)}$	0,902	1,031	1,378	Eq. 6.11
R_{adp}			0,6			Input Condition
Y_{adp}			107,64			Eq. 6.13 (cd·m^{-2})
$L''_{n(CRT)}$	$M''_{n(CRT)}$	$S''_{n(CRT)}$	0,977	1,012	1,043	Eq. 6.12
L_S	M_S	S_S	0,454	0,513	0,703	Eq. 6.15