Equations: colorimetric data transfer from *LCH** (CIELAB) to *nce** and rgb^*_3

Given: CIELAB data of any colour L^*, C^*_{ab}, h_{ab} = *LCH = *LAB*LCH** or L^*, a^*, b^***

CIELAB data L^*_X, $C^*_{ab,X}$, $h_{ab,X}$, a^*_X, b^*_X of eigth basic colours *X = RJGC'BM'NW*

Aim: *nce and rgb^*_3 elementary colour data of the given colour**

hue angle of of the given colour and of *M*	$h_{ab} = H^*$		(1)
LCH^*_M data of maximum colour *M*	L^*_M = function [h_{ab}]	(with table or equation)	(2)
	$C^*_{ab,M}$ = function [h_{ab}]	(with table or equation)	(3)
	$H^*_M = h_{ab}$		(4)
relative CIELAB lightness of the given colour	$l^* = [L^* - L^*_N] / [L^*_W - L^*_N]$		(5)
relative chroma of the given colour	$c^* = C^*_{ab} / C^*_{ab,M}$		(6)
relative triangle lightness of the given colour	$t^* = l^* - [L^*_M - L^*_N] / [L^*_W - L^*_N] c^* + 0{,}5\ c^*$		(7)
relative blackness of the given colour	$n^* = 1 - t^* - 0{,}5\ c^*$		(8)
relative whiteness of the given colour	$w^* = 1 - n^* - c^*$		(9)
elementary hue angle of the given colour	e^* = function [h_{ab}]	(with table or equation)	(10)
$rgb^*_{3,M}$ data of maximum colour *M*	$r^*_{3,M}$ = function [h_{ab}]	(with table or equation)	(11)
	$g^*_{3,M}$ = function [h_{ab}]	(with table or equation)	(12)
	$b^*_{3,M}$ = function [h_{ab}]	(with table or equation)	(13)
relative rgb^*_3 data of the given colour	$r^*_3 = w^* + c^*\ r^*_{3,M}$		(14)
	$g^*_3 = w^* + c^*\ g^*_{3,M}$		(15)
	$b^*_3 = w^* + c^*\ b^*_{3,M}$		(16)