

**8 Device (d) colours  $rgb_d^* = olv^*$  in CIELAB: OYLCVM and NW**  
 Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$  with **linear relations** between  $rgb_d^*$  and  $LCH^*$  (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

**5 equal steps**  
 Equations  $rgb_d^* - LCH^*$  in both directions have been published, see: Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1  
 Three equations (tables) are needed for office applications:  
 $rgb_d - LCH^{**}$  for a 9x9x9 grid of equally spaced  $rgb_d$ -input data  
 $rgb_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_d^*$  and  $LCH^*$   
 $rgb_d^* - LCH^*$  Device output linearisation by  $rgb_d \rightarrow rgb_d^*$

KE280-1N

**8 Device (d) colours  $rgb_d^* = olv^*$  in CIELAB: OYLCVM and NW**  
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 $rgb_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_d^*$  and  $LCH^*$   
 $rgb_d^* - LCH^*$  Device output linearisation by  $rgb_d \rightarrow rgb_d^*$

KE281-1N

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 $rgb_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_d^*$  and  $LCH^*$   
 $rgb_d^* - LCH^*$  Device output linearisation by  $rgb_d \rightarrow rgb_d^*$

KE280-3N

**8 Device (d) colours  $rgb_d^* = olv^*$  in CIELAB: OYLCVM and NW**  
 Hexagon-triangle system based on device (d) colours:  $cmy_d^* = 1 - rgb_d^*$  with **linear relations** between  $cmy_d^*$  and  $LCH^*$  (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

**5 equal steps**  
 Equations  $rgb_d^* - LCH^*$  in both directions have been published, see: Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1  
 Three equations (tables) are needed for office applications:  
 $cmy_d - LCH^{**}$  output a 9x9x9 grid of equally spaced  $cmy_d$ -input data  
 $cmy_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $cmy_d^*$  and  $LCH^*$   
 $cmy_d^* - LCH^*$  Device output linearisation by  $cmy_d \rightarrow cmy_d^*$

KE281-3N

**6 Elementary (e) colours  $rgb_d^* = rgb^*$  in CIELAB: RJGB and NW**  
 Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$  with **linear relations** between  $rgb_d^* - LCH^*$ , and  $rgb_h^* - LCH^*$  (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

**5 equal steps**  
 Equations  $rgb_d^* - LCH^*$  in both directions have been published, see: Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1  
 Three equations (tables) are needed for office applications:  
 $rgb_d - LCH^{**}$  for a 9x9x9 grid of equally spaced  $rgb_d$ -input data  
 $rgb_h^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_h^*$  and  $LCH^*$   
 $rgb_h^* - LCH^*$  Device output linearisation by  $rgb_d \rightarrow rgb_h^*$

KE280-5N

**6 Elementary (e) colours  $rgb_d^* = rgb^*$  in CIELAB: RJGB and NW**  
 Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$  with **linear relations** between  $rgb_d^* - LCH^*$ , and  $rgb_h^* - LCH^*$  (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

**5 equal steps**  
 Equations  $rgb_h^* - LCH^*$  in both directions have been published, see: Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1  
 Three equations (tables) are needed for office applications:  
 $rgb_d - LCH^{**}$  output a 9x9x9 grid of equally spaced  $rgb_d$ -input data  
 $rgb_h^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_h^*$  and  $LCH^*$   
 $rgb_h^* - LCH^*$  Device output linearisation by  $rgb_d \rightarrow rgb_h^*$

KE281-5N

**6 Elementary (e) colours  $rgb_d^* = rgb^*$  in CIELAB: RJGB and NW**  
 Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$  with **linear relations** between  $rgb_d^* - LCH^*$ , and  $rgb_h^* - LCH^*$  (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

**5 equal steps**  
 Equations  $rgb_d^* - LCH^*$  in both directions have been published, see: Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1  
 Three equations (tables) are needed for office applications:  
 $rgb_d - LCH^{**}$  for a 9x9x9 grid of equally spaced  $rgb_d$ -input data  
 $rgb_h^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_h^*$  and  $LCH^*$   
 $rgb_h^* - LCH^*$  Device output linearisation by  $rgb_d \rightarrow rgb_h^*$

KE280-7N

**6 Elementary (e) colours  $rgb_d^* = rgb^*$  in CIELAB: RJGB and NW**  
 Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$  with **linear relations** between  $rgb_d^* - LCH^*$ , and  $rgb_e^* - LCH^*$  (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

**5 equal steps**  
 Equations  $rgb_d^* - LCH^*$  in both directions have been published, see: Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1  
 Three equations (tables) are needed for office applications:  
 $rgb_d - LCH^{**}$  output a 9x9x9 grid of equally spaced  $rgb_d$ -input data  
 $rgb_e^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_e^*$  and  $LCH^*$   
 $rgb_e^* - LCH^*$  Device output linearisation by  $rgb_d \rightarrow rgb_e^*$

KE281-7N

See original or copy: http://web.me.com/klaus.richter/KE28/KE28L0NP.PDF /.PS  
 Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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