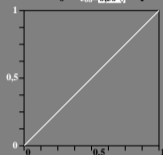


A choice of a value different "0.50" changes the grey sample and surround. Beginners often have difficulties to choose an appropriate value. Therefore it is recommended for beginners to proceed with image 2. After a restart of the experiment, a value different "0.50" may be used.

adjust visual equal difference for one of 3 steps



Output (9 steps)  
adjusted spacing  
 $0 < r_{gb}^b \text{ out} < 1$



go to next image 2

one experimental value:  
 $e_{08}$

equally spaced  
 $0 < r_{gb}^b \text{ in} < 1$   
Input (9 steps)

heq31-5a, image 1, produce equal visual difference between Red R - Red R<sub>w</sub> - White W

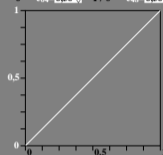
9 step series based only on the visual adjustment of image 1 with value "0.50" or different



adjust visual equal difference for two of 5 steps



Output (9 steps)  
adjusted spacing  
 $0 < r_{gb}^b \text{ out} < 1$



go to next image 3

two experimental values:  
 $e_{04}, e_{48}$

equally spaced  
 $0 < r_{gb}^b \text{ in} < 1$   
Input (9 steps)

heq31-6a, image 2, produce equal visual difference between two of five steps

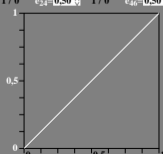
9 step series based only on the visual adjustment of image 1 with value "0.50" or different



adjust visual equal difference for four of 9 steps



Output (9 steps)  
adjusted spacing  
 $0 < r_{gb}^b \text{ out} < 1$



go to next image 4

four experimental values:  
 $e_{02}, e_{24}, e_{46}, e_{68}$

equally spaced  
 $0 < r_{gb}^b \text{ in} < 1$   
Input (9 steps)

heq31-7a, image 3, produce equal visual difference between four of nine steps

heq31-7n

9 step series based only on the visual adjustment of image 1 with value "0.50" or different



9 step series based on all visual adjustments used for output linearization



0,00  $c_1=0,12$   $c_2=0,25$   $c_3=0,37$   $c_4=0,50$   $c_5=0,62$   $c_6=0,75$   $c_7=0,87$  1,00  
calculation with visual experimental (e) data adjusted above  
 $a_1=e_{08}, b_1=e_{04}^*a_1, b_2=e_{48}(1-b_2)+b_2, c_2=b_1, c_4=b_2, c_6=b_3$   
 $c_1=e_{02}^*b_1, c_3=e_{24}(b_2-b_2)+b_1, c_5=e_{46}(b_3-b_2)+b_2, c_7=e_{68}(1-b_3)+b_3$

save 7 data above as text

save 9 data below as text

$+0,04$   $+0,04$   $+0,04$   $+0,04$   $+0,04$   $+0,04$   $+0,04$   $+0,04$   $+0,04$



0,00  $c_1=0,12$   $c_2=0,25$   $c_3=0,37$   $c_4=0,50$   $c_5=0,62$   $c_6=0,75$   $c_7=0,87$  1,00

grey example  
difference visible?  $0,25 +0,06$  adjust threshold  
 $0,25 +0,00$  no change

adjust and proof threshold of the linearized output

restart with image 1

heq31-8a, image 4, adjust visual threshold (+0,04?) of 9 steps; all equal?