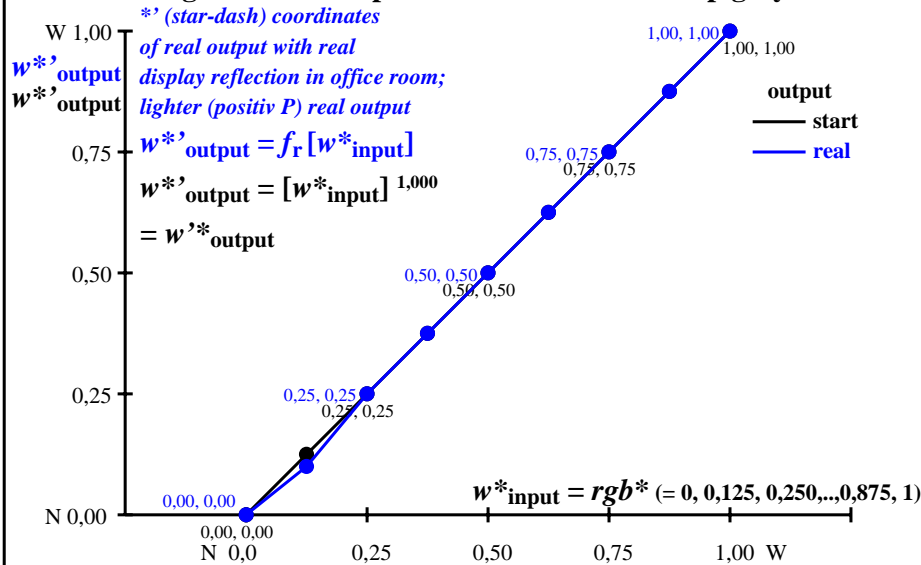
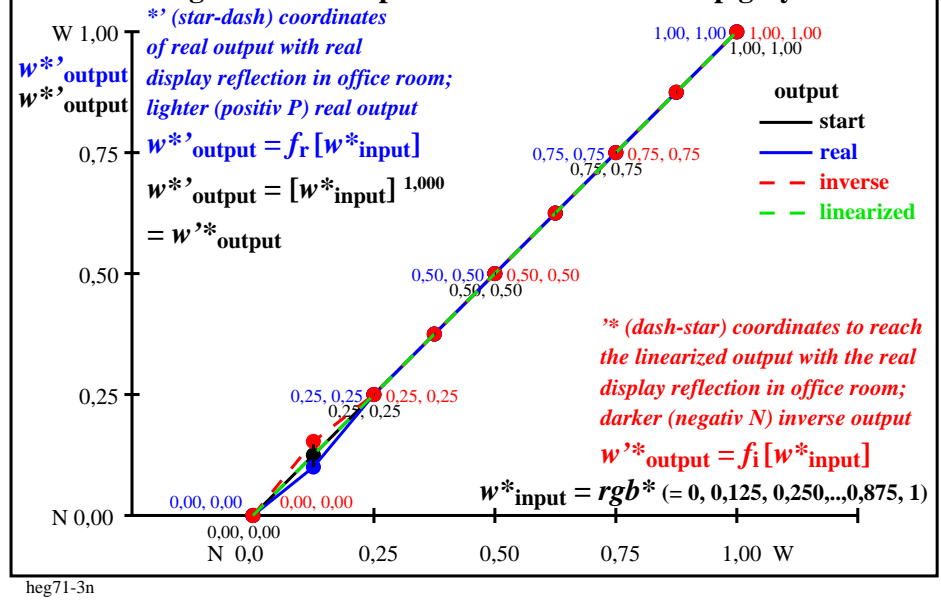


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



Three, 5 and 9 colour steps for visual evaluation

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000
 Black N00w – Black N16w = White W

0,000	0,500	1,000	0,000	0,250	0,500	0,750	1,000
N00w	N08w	N16w	N00w	N04w	N08w	N12w	N16w

Three, 5 and 9 colour steps for visual evaluation

$L^*_{TUBLOG,U} = [50/\log(5)] \log(Y/Y_U) + 50, Y_N=4, Y_U=20, Y_W=100$

0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
N00w	N02w	N04w	N06w	N08w	N10w	N12w	N14w	N16w
0	12?	25?	37?	50?	62?	75?	87?	100

Three, 5 and 9 colour steps, numeric specification

0,00 0,00	e08=0, .. a1=e08	1,00 1,00	0,00 0,00	e04=0, .. b1=e04*a1	1,00 0,00	0,00 0,00	e48=0, .. b3=e48* (1-b2)+b2	1,00 1,00
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Three, 5 and 9 colour steps, numeric specification

0,00 0,00	e02=0, .. c1=e02*b1	1,00 0,00	0,00 0,00	c24=0, .. c3=e24* (b2-b1)+b1	0,00 1,00	0,00 0,00	e46=0, .. c5=e46* (b3-b2)+b2	1,00 0,00	0,00 0,00	e68=0, .. c7=e68* (1-b3)+b3	1,00 1,00
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Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000 0,000	0,50 0,500 0,500	1,00 1,000 1,000	0,00 0,000 0,000	0,50 0,250 0,250	1,00 0,500 0,500	0,50 0,750 0,750	1,00 1,000 1,000
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Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000 0,000	0,40 0,100 0,152	1,00 0,250 0,250	0,50 0,375 0,375	0,00 0,500 0,500	0,50 0,625 0,625	1,00 0,750 0,750	0,50 0,875 0,875	1,00 1,000 1,000
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Three, 5 and 9 colour steps, produced visual linearization

r: 0, 100, 250, 375, 500, 625, 750, 875, 1000
 Black N00w – Black N16w = White W

0,000	0,500	1,000	0,000	0,250	0,500	0,750	1,000
N00w	N08w	N16w	N00w	N04w	N08w	N12w	N16w

Three, 5 and 9 colour steps, produced visual linearization

$L^*_{TUBLOG,U} = [50/\log(5)] \log(Y/Y_U) + 50, Y_N=4, Y_U=20, Y_W=100$

0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
N00w	N02w	N04w	N06w	N08w	N10w	N12w	N14w	N16w

heg70-7n, Test samples: 3, 5 and 9 colour steps, greu=0.500, expu=1.000, expa=1.000, expi=1.000

TUB-test chart heg7; separate grey samples for visual intervall scaling, evaluation of the series N_W with 3, 5 and 9 steps, output (rgb*)^{1,0} & experimental_2; surround mean Grey U=N08w

TUB registration: 20241001-heg7/heg710np.pdf / .ps
 application for evaluation and measurement of display or print output

TUB material: code=rh4ta