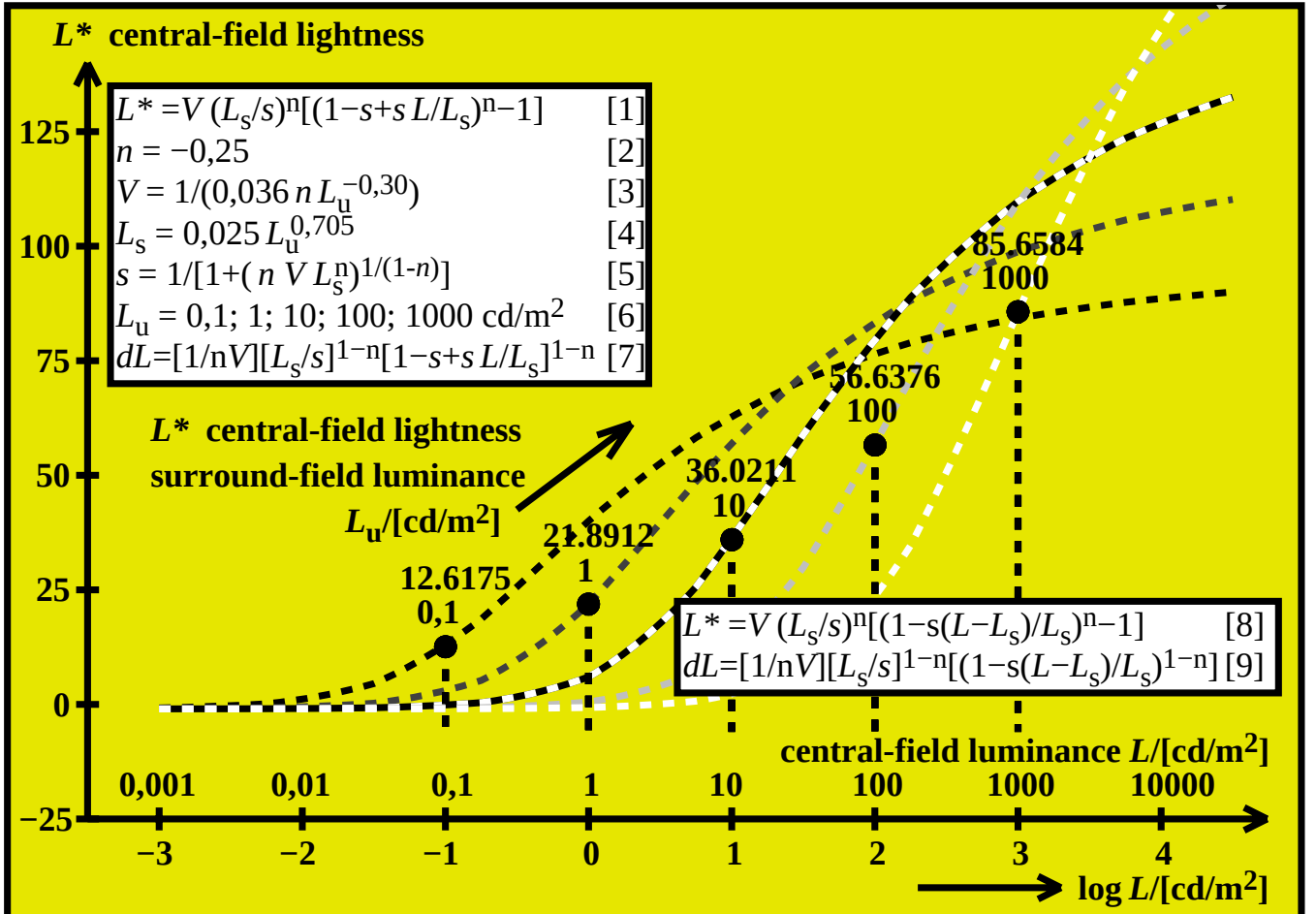
L* central-field lightness
L* = V (Ls/s)n[(1−s+s L/Ls)n−1] [1]
n = −0,25 [2]
V = 1/(0,036 n Lu−0,30) [3]
Ls = 0,025 Lu0,705 [4]
s = 1/[1+(n V Lsn)1/(1-n)] [5]
Lu = 0,1; 1; 10; 100; 1000 cd/m2 [6]
dL=[1/nV][Ls/s]1−n[1−s+s L/Ls]1−n [7]
L* central-field lightness
surround-field luminance
Lu/[cd/m2]
12.6175
0,1
21.8912
1
36.0211
10
56.6376
100
85.6584
1000
L* = V (Ls/s)n[(1−s(L−Ls)/Ls)n−1] [8]
dL=[1/nV][Ls/s]1−n[(1−s(L−Ls)/Ls)1−n] [9]
central-field luminance L/[cd/m2]
0,001
0,01
0,1
1
10
100
1000
10000
−3
−2
−1
0
1
2
3
4
log L/[cd/m2]
125
100
75
50
25
0
−25

een41−4a