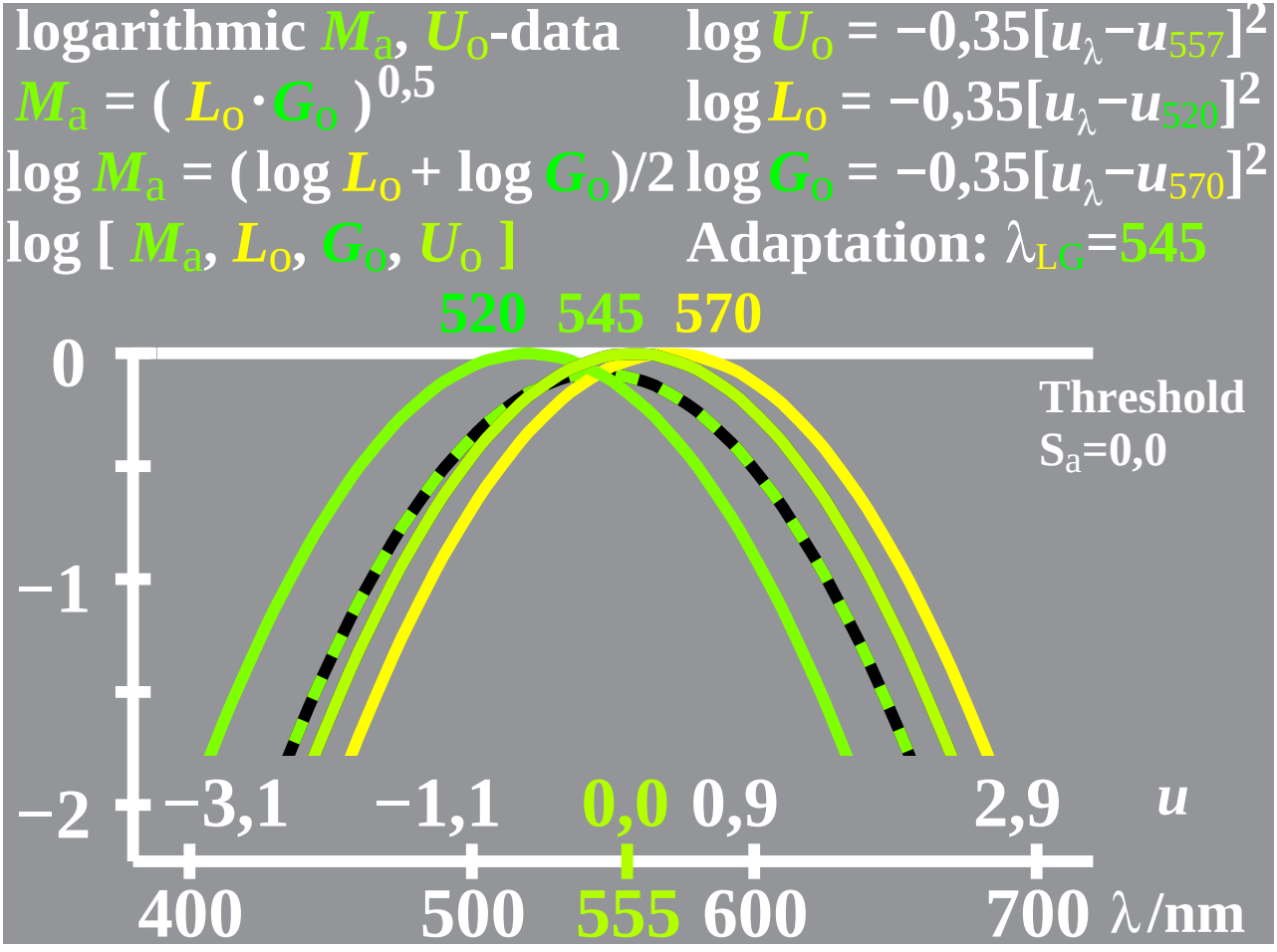

logarithmic M_a, U_o-data
$M_a = (L_o \cdot G_o)^{0,5}$
$\log M_a = (\log L_o + \log G_o)/2$
$\log [M_a, L_o, G_o, U_o]$
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log L_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log G_o = -0{,}35[u_\lambda - u_{570}]^2$
Adaptation: λ_{LG}=545
520 545 570
0
−1
−2
Threshold
S_a=0,0
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm

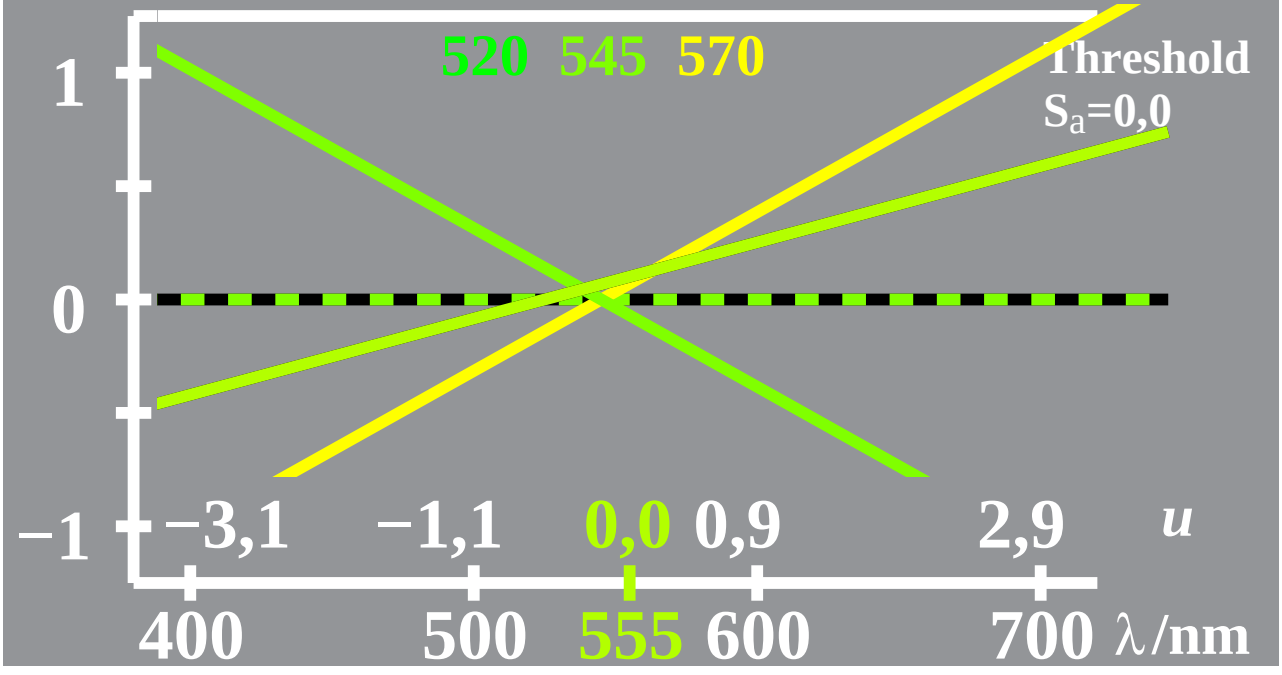
TF340−7A

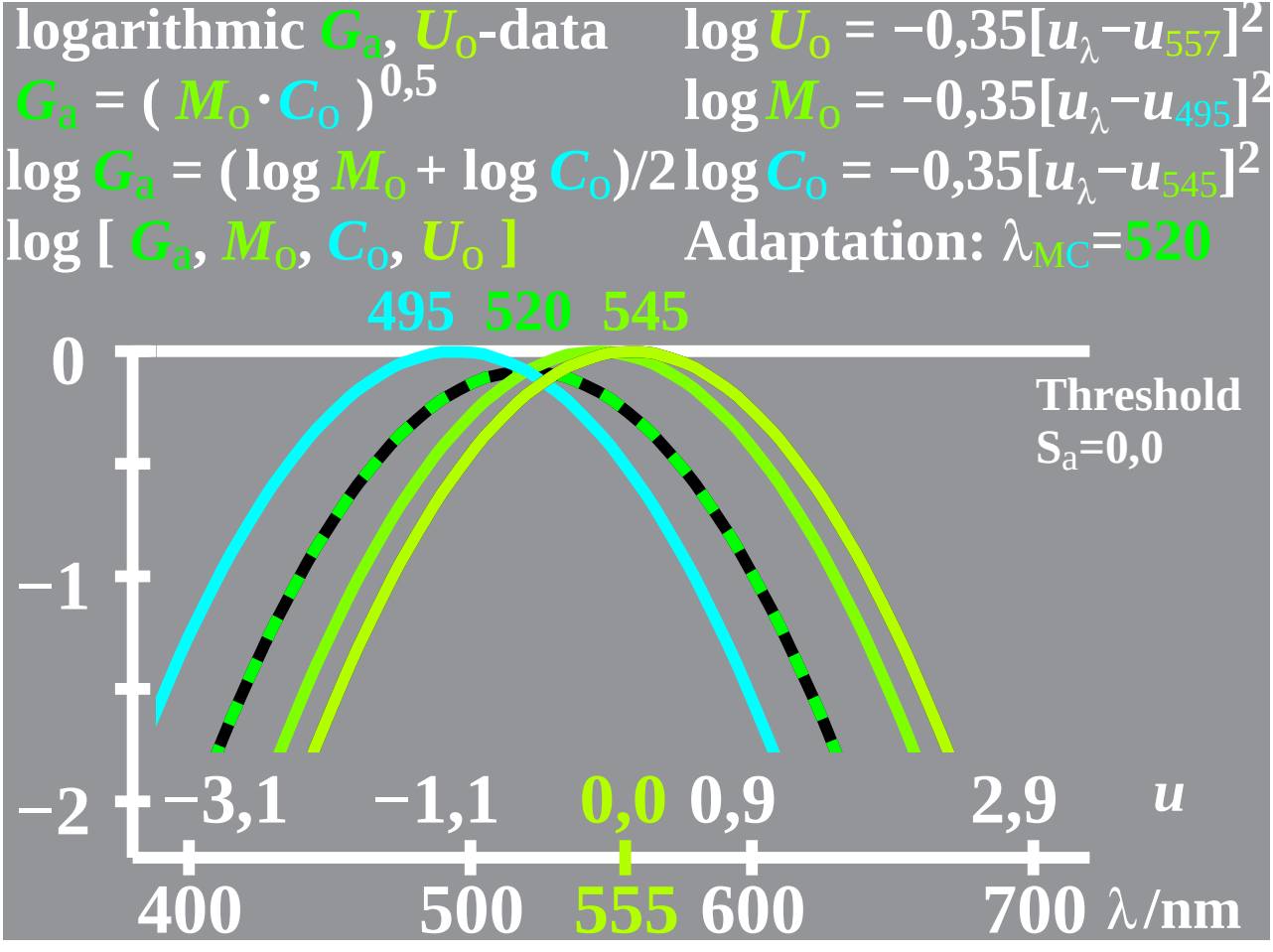
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

$M_a = (L_o \cdot G_o)^{0,5}$ $\log L_o = -0{,}35[u_\lambda - u_{520}]^2$

$\log M_a = (\log L_o + \log G_o)/2$ $\log G_o = -0{,}35[u_\lambda - u_{570}]^2$

$\log [L_o/U_o, G_o/U_o, M_a/U_o]$ Adaptation: λ_{LG}=545



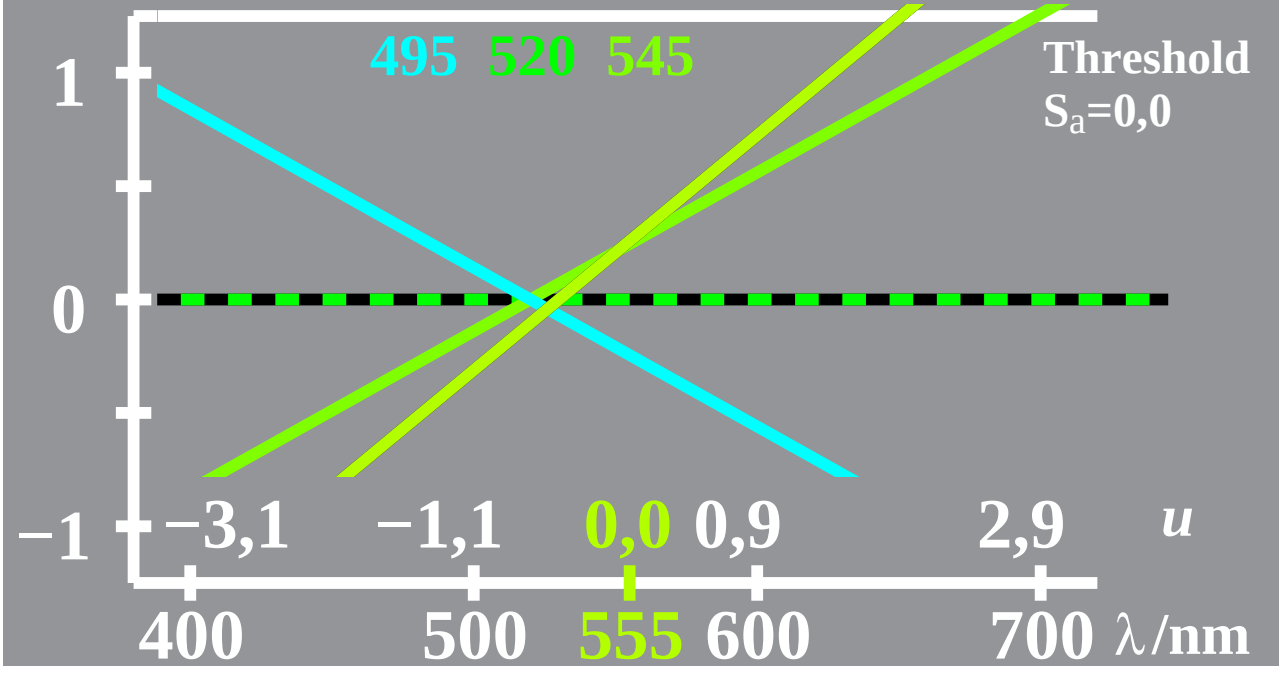

logarithmic G_a, U_o-data
$G_a = (M_o \cdot C_o)^{0,5}$
$\log G_a = (\log M_o + \log C_o)/2$
$\log [G_a, M_o, C_o, U_o]$
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log M_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log C_o = -0{,}35[u_\lambda - u_{545}]^2$
Adaptation: λ_{MC}=520
495 520 545
0
−1
−2
Threshold
S_a=0,0
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm

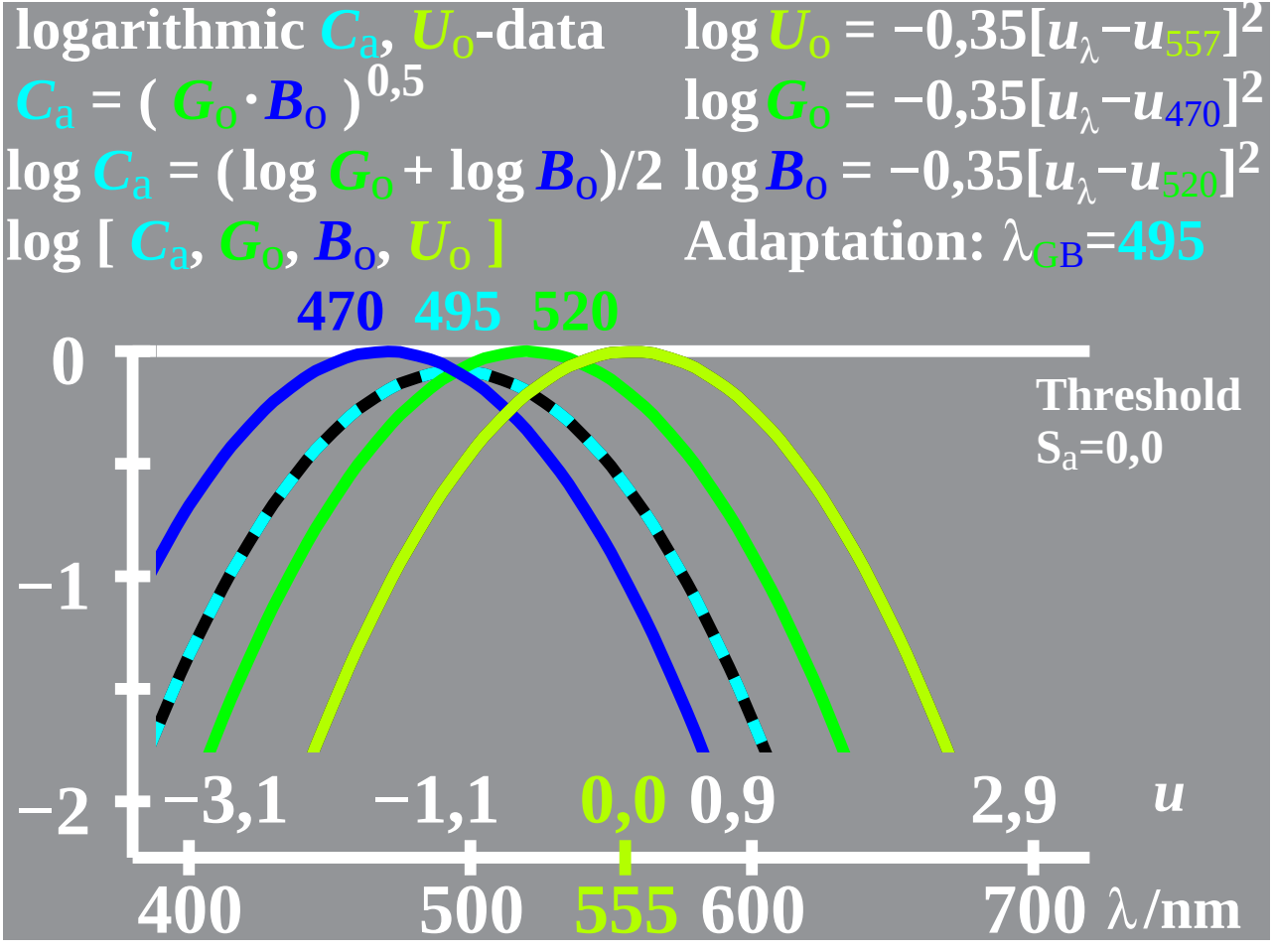
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

$G_a = (M_o \cdot C_o)^{0,5}$ $\log M_o = -0{,}35[u_\lambda - u_{495}]^2$

$\log G_a = (\log M_o + \log C_o)/2$ $\log C_o = -0{,}35[u_\lambda - u_{545}]^2$

$\log [M_o/U_o, C_o/U_o, G_a/U_o]$ Adaptation: λ_{MC}=520



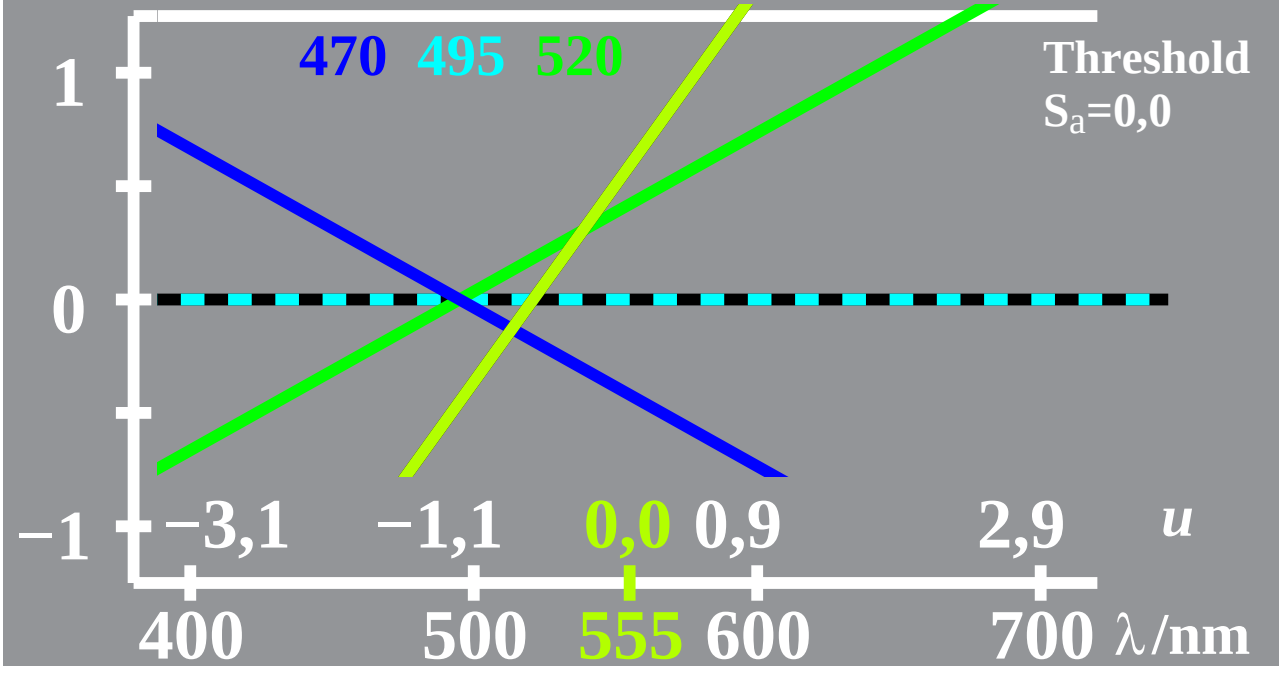

logarithmic C_a, U_o-data
$C_a = (G_o \cdot B_o)^{0,5}$
$\log C_a = (\log G_o + \log B_o)/2$
$\log [C_a, G_o, B_o, U_o]$
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log G_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log B_o = -0{,}35[u_\lambda - u_{520}]^2$
Adaptation: λ_{GB}=495
470
495
520
0
−1
−2
Threshold
S_a=0,0
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm

logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

$C_a = (G_o \cdot B_o)^{0,5}$ $\log G_o = -0{,}35[u_\lambda - u_{470}]^2$

$\log C_a = (\log G_o + \log B_o)/2$ $\log B_o = -0{,}35[u_\lambda - u_{520}]^2$

$\log [G_o/U_o, B_o/U_o, C_a/U_o]$ Adaptation: λ_{GB}=495



logarithmic B_a, U_o-data

$B_a = (C_o \cdot S_o)^{0,5}$

$\log B_a = (\log C_o + \log S_o)/2$

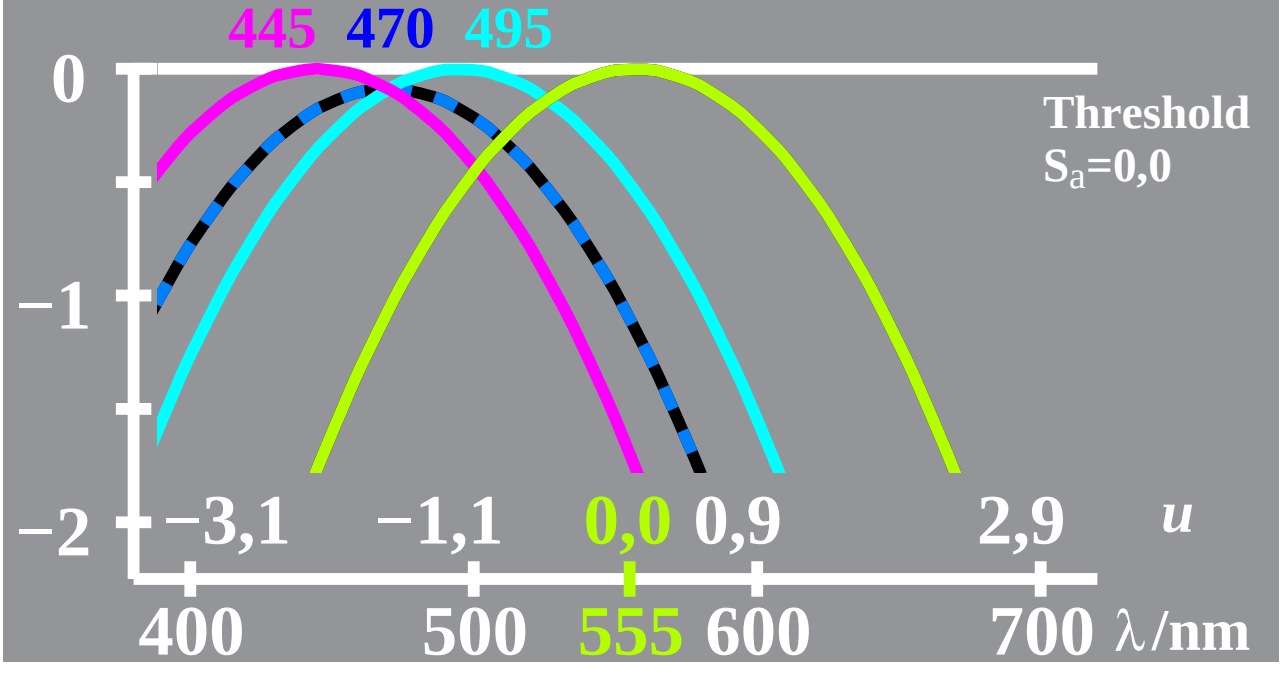
log [B_a, C_o, S_o, U_o]

$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

$\log C_o = -0{,}35[u_\lambda - u_{445}]^2$

$\log S_o = -0{,}35[u_\lambda - u_{495}]^2$

Adaptation: λ_{CS}=**470**

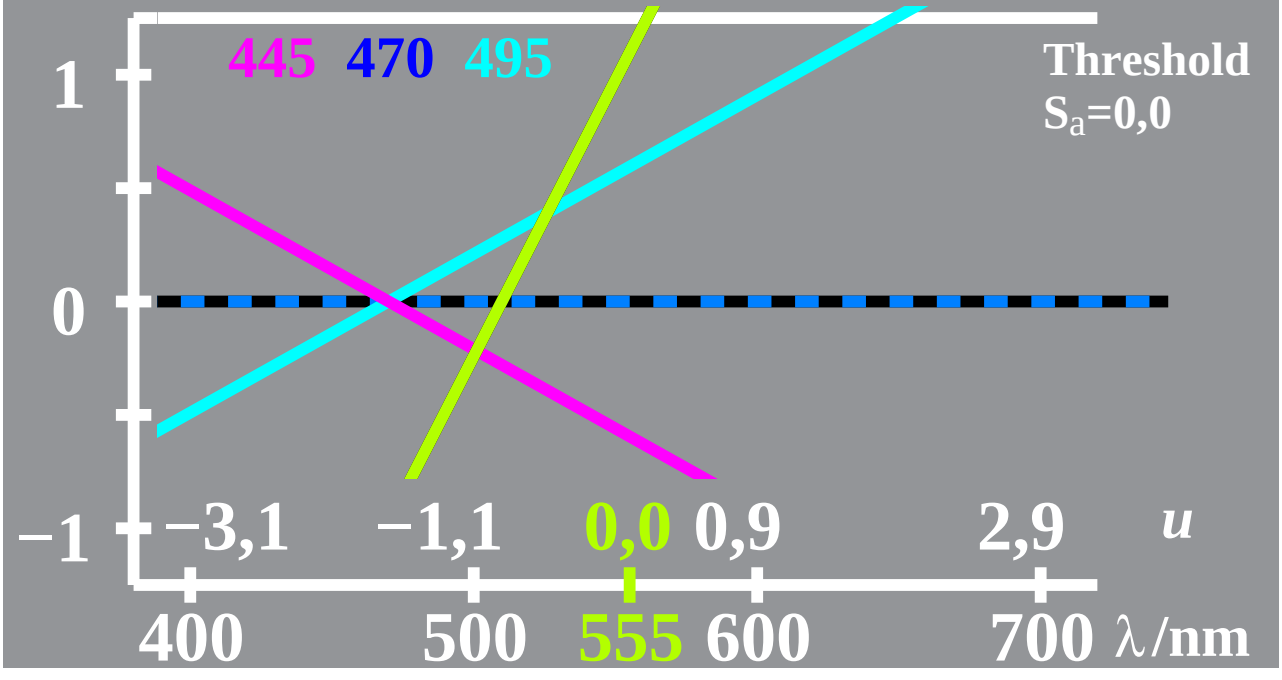


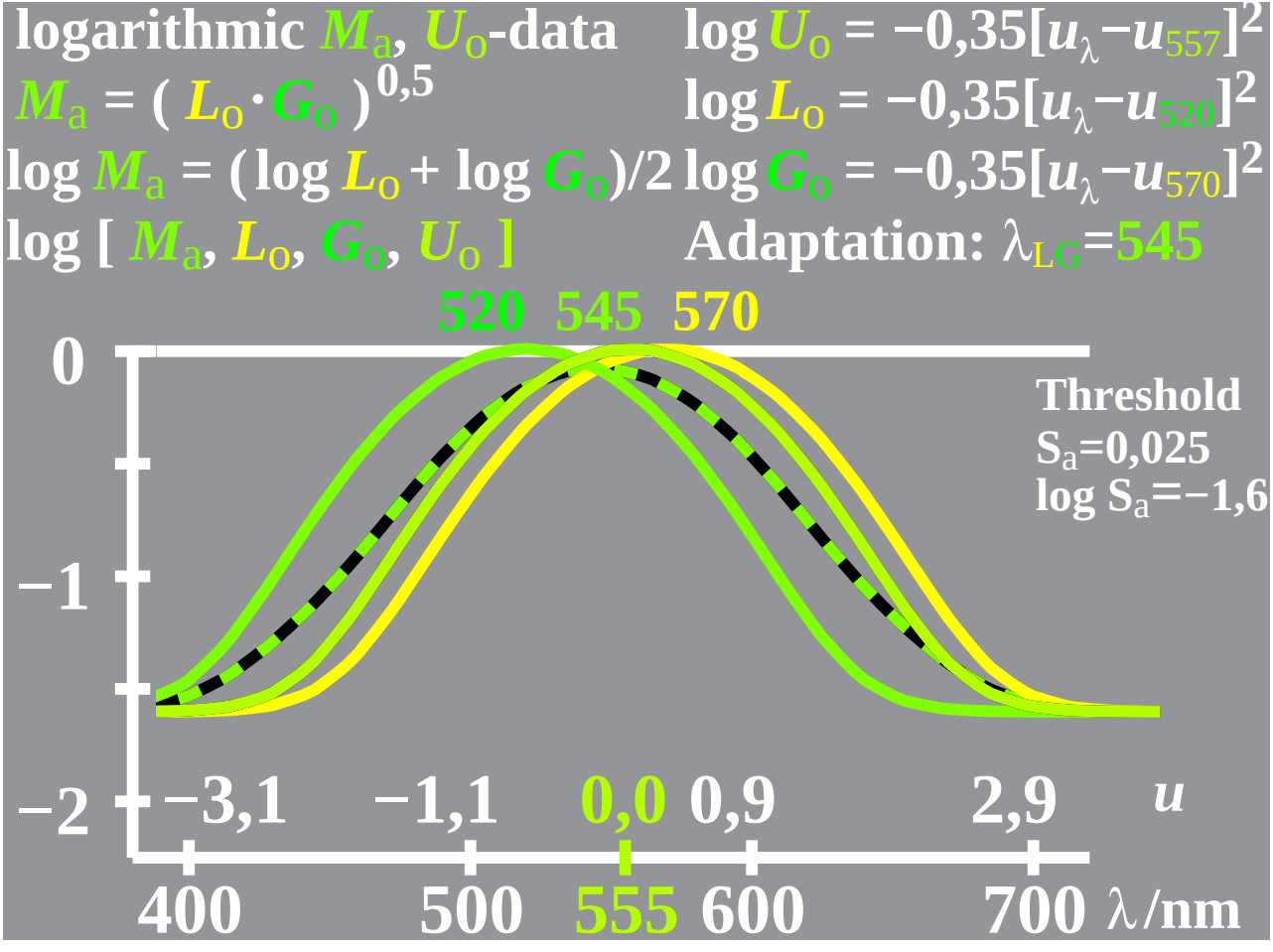
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

$B_a = (C_o \cdot S_o)^{0,5}$ $\log C_o = -0{,}35[u_\lambda - u_{445}]^2$

$\log B_a = (\log C_o + \log S_o)/2$ $\log S_o = -0{,}35[u_\lambda - u_{495}]^2$

$\log [C_o/U_o, S_o/U_o, B_a/U_o]$ Adaptation: λ_{CS}=**470**



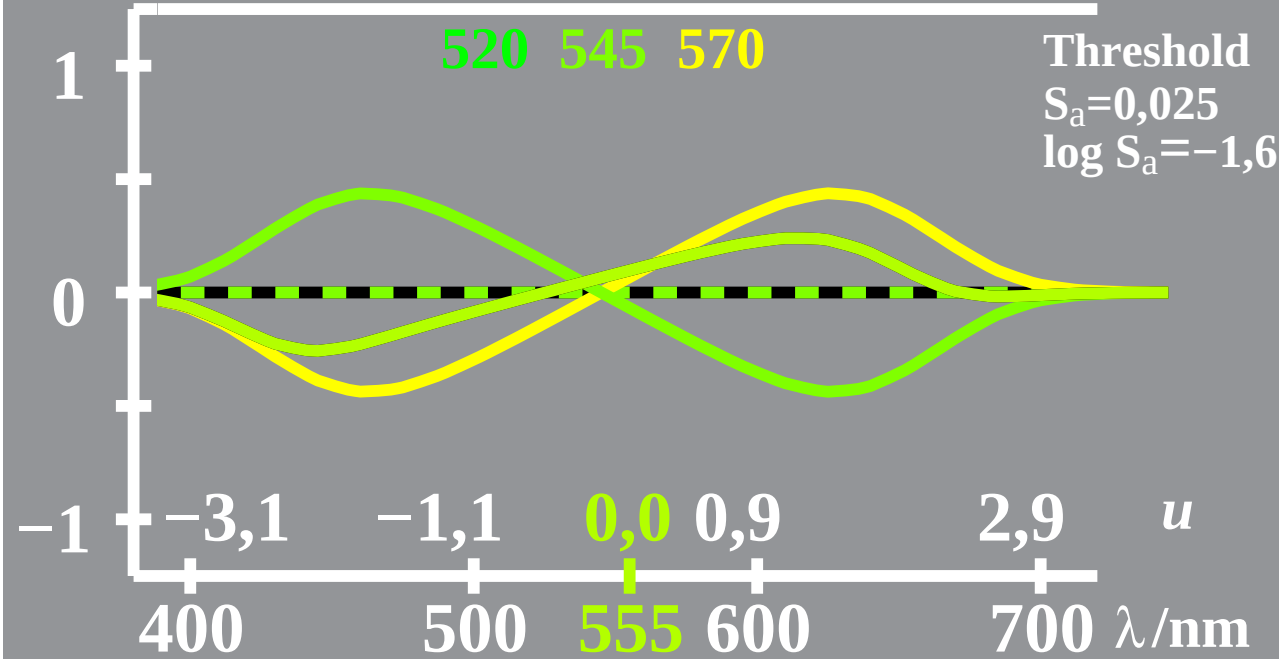

logarithmic M_a, U_o-data
$M_a = (L_o \cdot G_o)^{0,5}$
$\log M_a = (\log L_o + \log G_o)/2$
log [M_a, L_o, G_o, U_o]
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log L_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log G_o = -0{,}35[u_\lambda - u_{570}]^2$
Adaptation: λ_{LG}=545
520 545 570
0
−1
−2
Threshold
S_a=0,025
log S_a=−1,6
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm

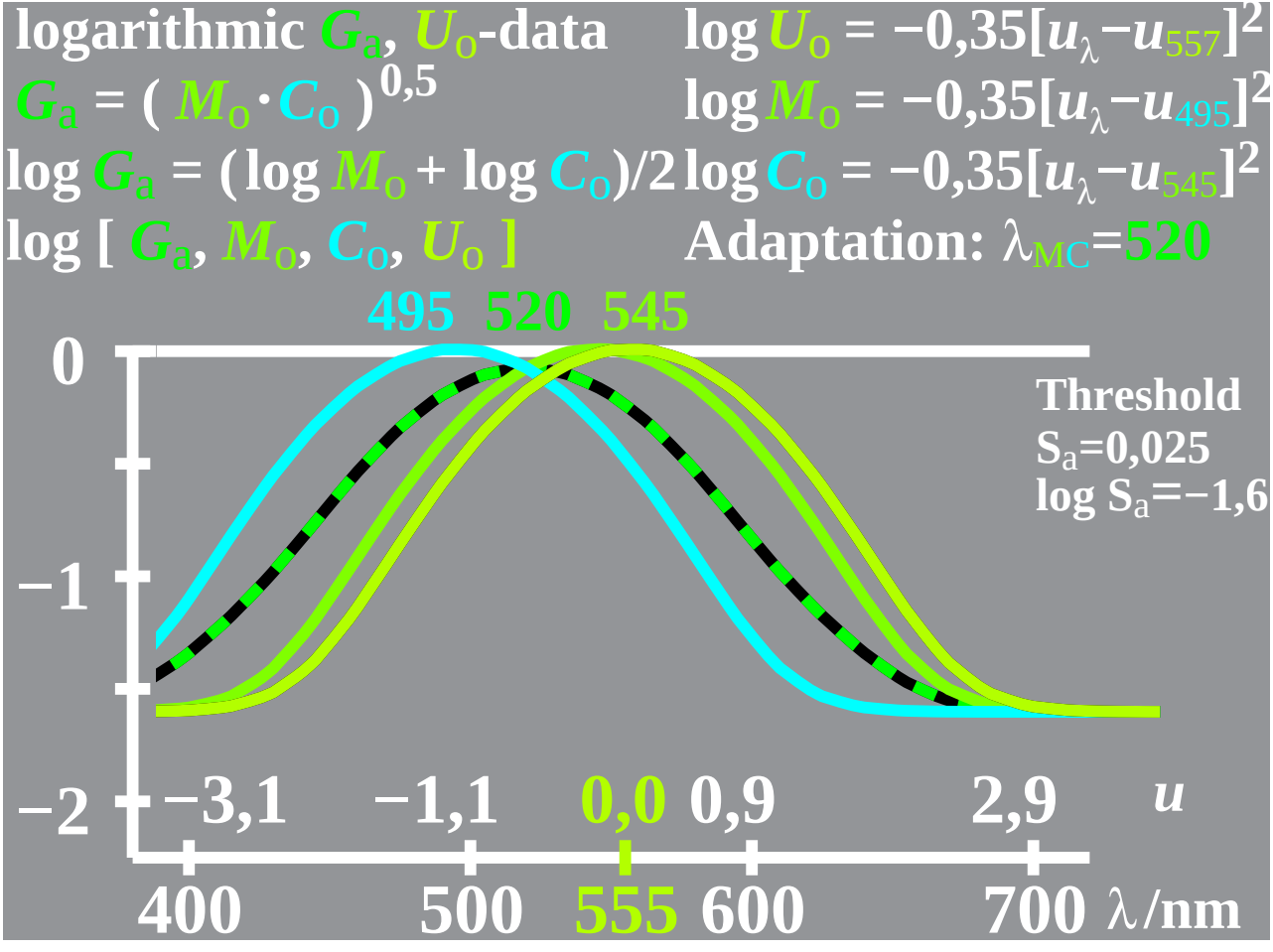
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

$M_a = (L_o \cdot G_o)^{0,5}$ $\log L_o = -0{,}35[u_\lambda - u_{520}]^2$

$\log M_a = (\log L_o + \log G_o)/2$ $\log G_o = -0{,}35[u_\lambda - u_{570}]^2$

$\log [L_o/U_o, G_o/U_o, M_a/U_o]$ Adaptation: $\lambda_{LG}=545$



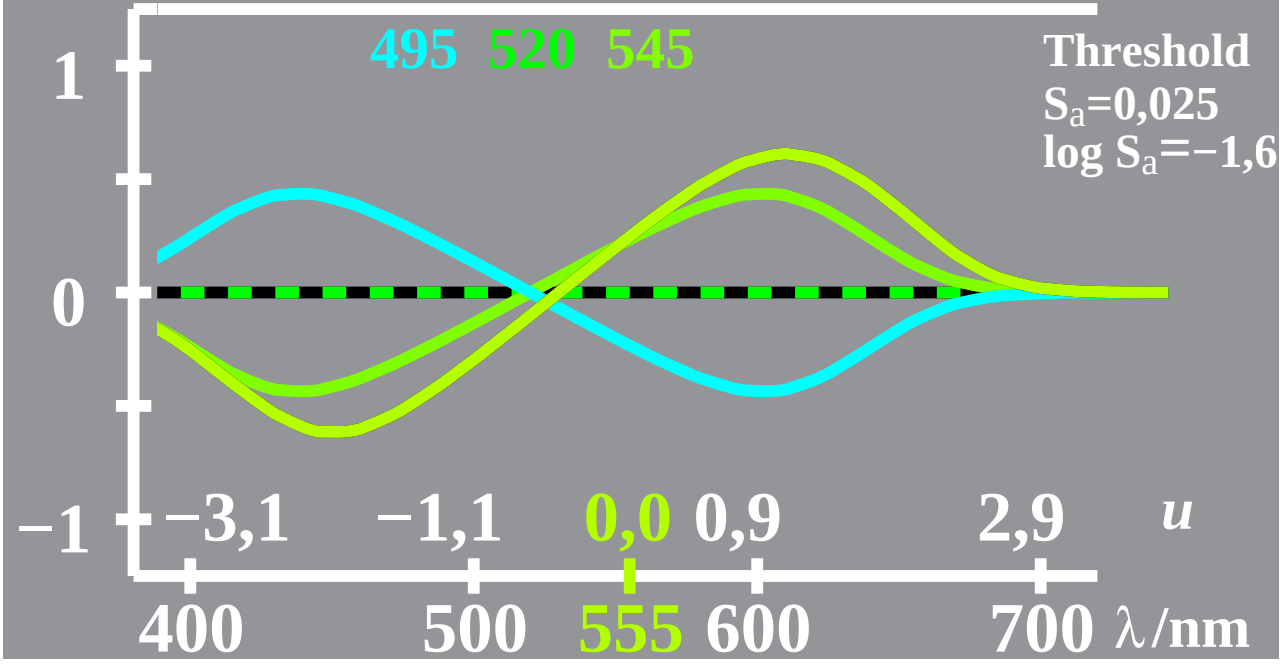

logarithmic G_a, U_o-data
$G_a = (M_o \cdot C_o)^{0,5}$
$\log G_a = (\log M_o + \log C_o)/2$
$\log [G_a, M_o, C_o, U_o]$
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log M_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log C_o = -0{,}35[u_\lambda - u_{545}]^2$
Adaptation: λ_{MC}=520
495 520 545
0
−1
−2
Threshold
S_a=0,025
log S_a=−1,6
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm

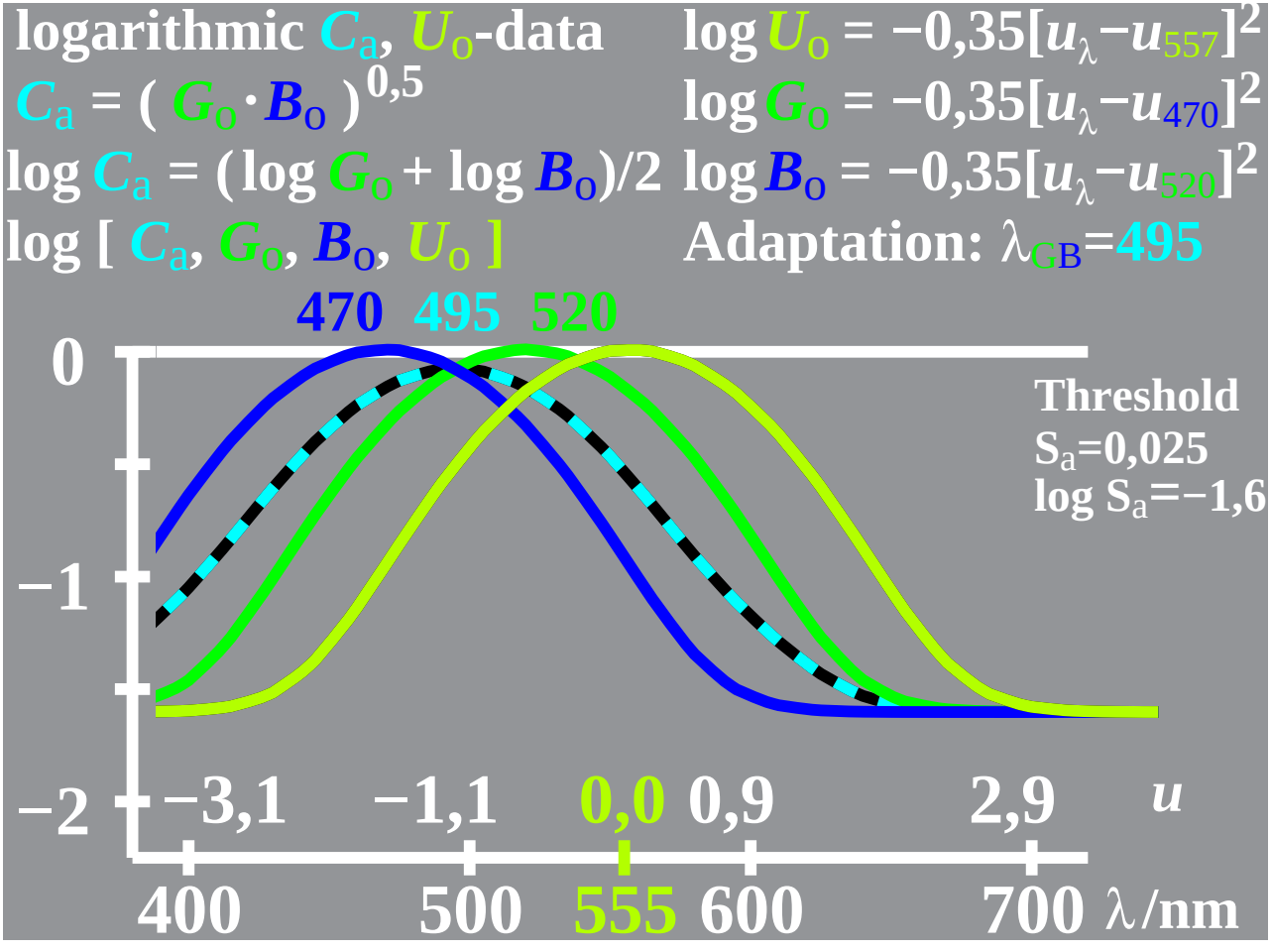
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

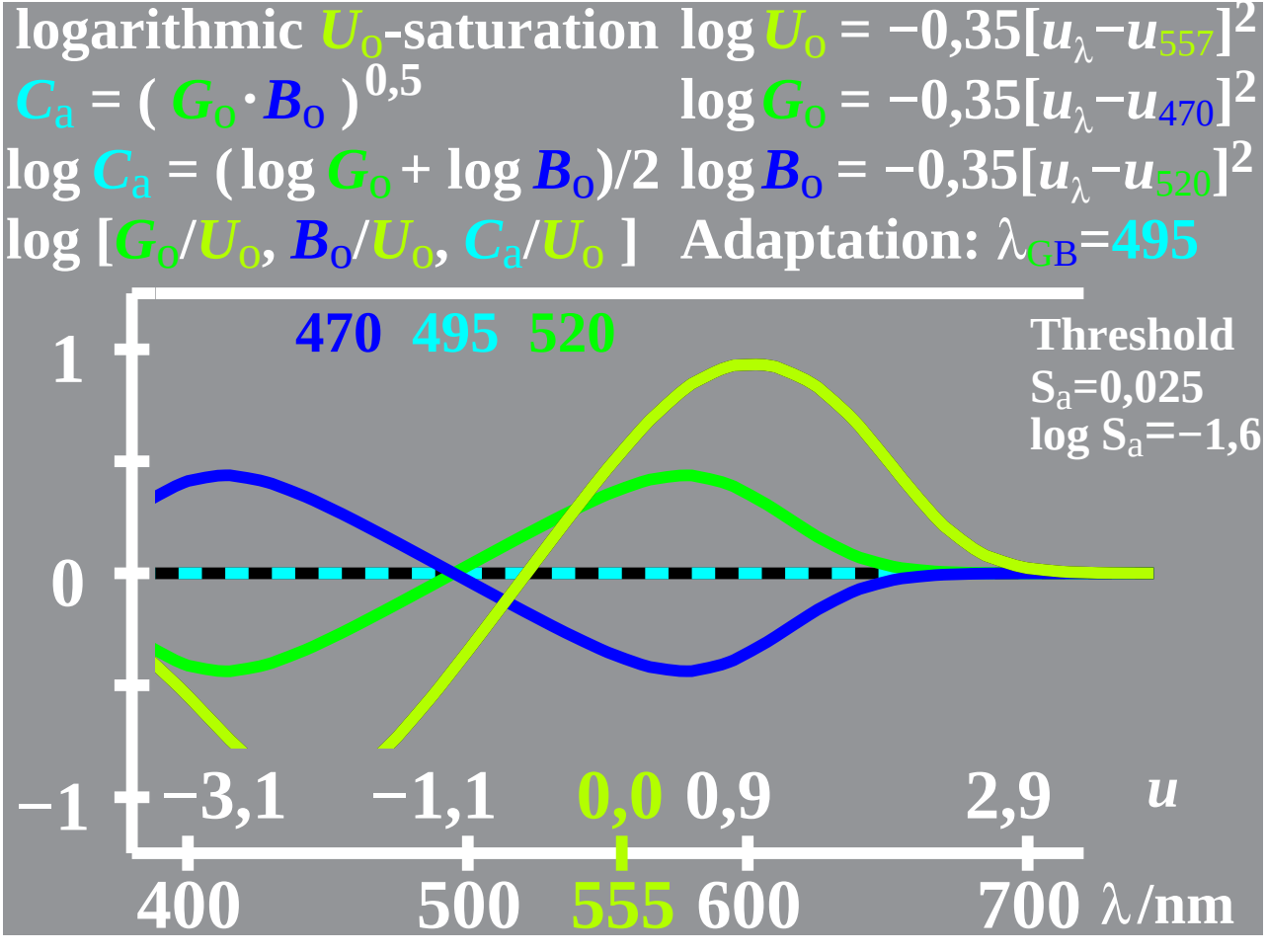
$G_a = (M_o \cdot C_o)^{0,5}$ $\log M_o = -0{,}35[u_\lambda - u_{495}]^2$

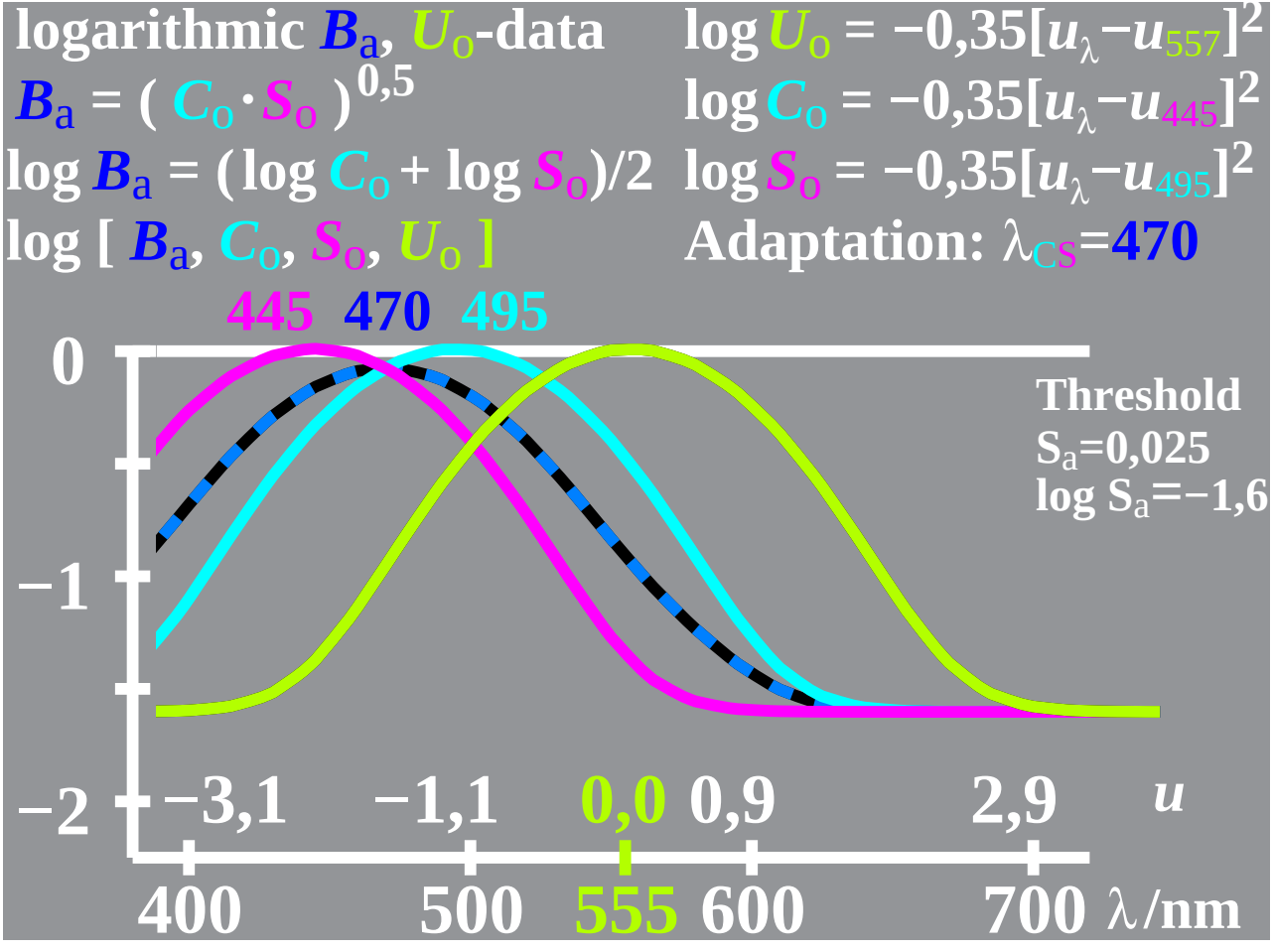
$\log G_a = (\log M_o + \log C_o)/2$ $\log C_o = -0{,}35[u_\lambda - u_{545}]^2$

$\log [M_o/U_o, C_o/U_o, G_a/U_o]$ Adaptation: λ_{MC}=520




logarithmic C_a, U_o-data
$C_a = (G_o \cdot B_o)^{0,5}$
$\log C_a = (\log G_o + \log B_o)/2$
$\log [C_a, G_o, B_o, U_o]$
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log G_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log B_o = -0{,}35[u_\lambda - u_{520}]^2$
Adaptation: λ_{GB}=495
470 495 520
0
−1
−2
Threshold
S_a=0,025
$\log S_a$=−1,6
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm


logarithmic U_o-saturation
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$C_a = (G_o \cdot B_o)^{0,5}$
$\log G_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log C_a = (\log G_o + \log B_o)/2$
$\log B_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log [G_o/U_o, B_o/U_o, C_a/U_o]$
Adaptation: λ_{GB}=495
470 495 520
Threshold
S_a=0,025
$\log S_a$=−1,6
1
0
−1
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm


logarithmic B_a, U_o-data
$B_a = (C_o \cdot S_o)^{0,5}$
$\log B_a = (\log C_o + \log S_o)/2$
$\log [B_a, C_o, S_o, U_o]$
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log C_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log S_o = -0{,}35[u_\lambda - u_{495}]^2$
Adaptation: λ_{CS}=470
445
470
495
0
−1
−2
Threshold
S_a=0,025
$\log S_a$=−1,6
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm

logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

$B_a = (C_o \cdot S_o)^{0,5}$ $\log C_o = -0{,}35[u_\lambda - u_{445}]^2$

$\log B_a = (\log C_o + \log S_o)/2$ $\log S_o = -0{,}35[u_\lambda - u_{495}]^2$

$\log [C_o/U_o, S_o/U_o, B_a/U_o]$ Adaptation: λ_{CS}=**470**