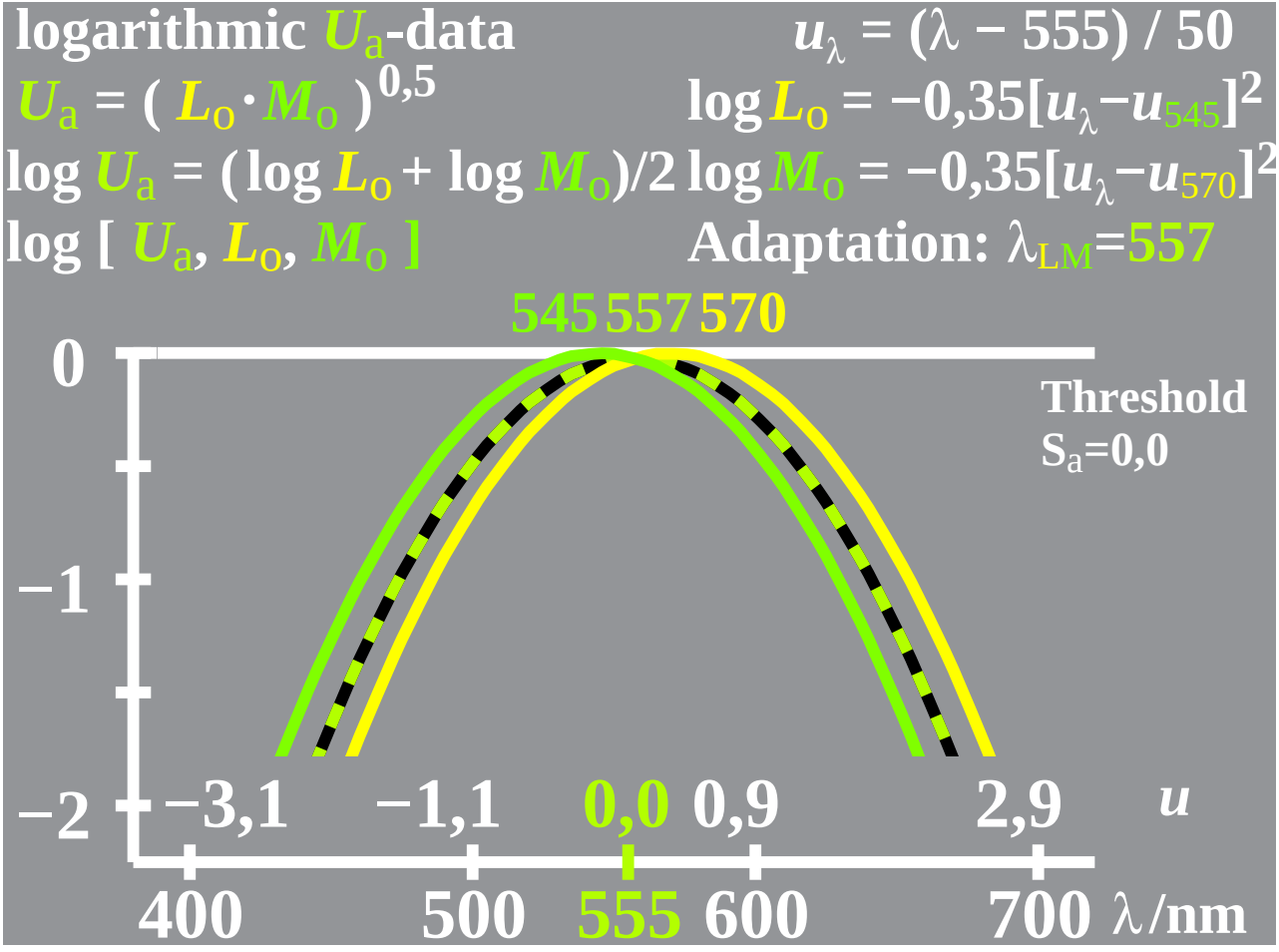
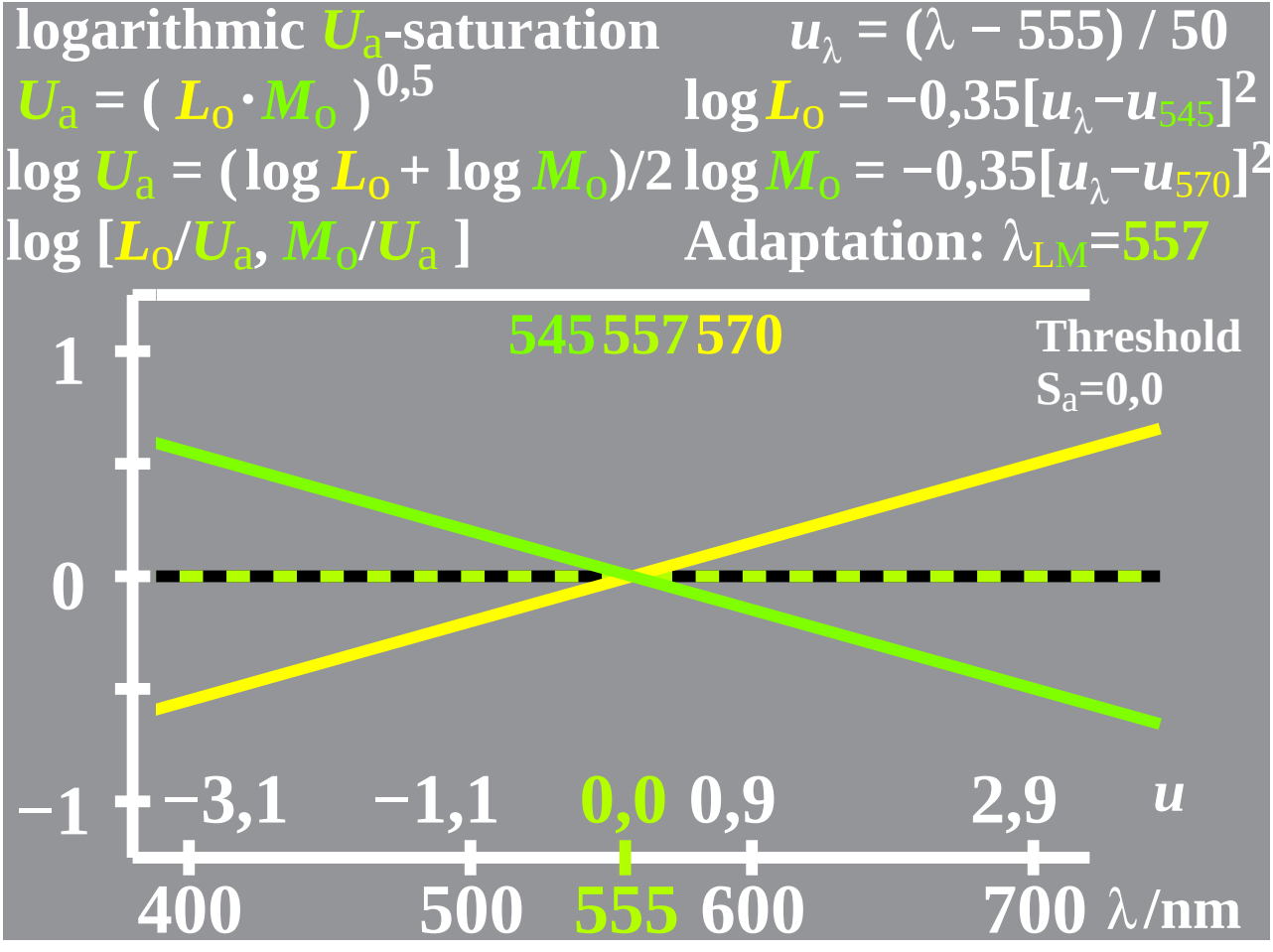
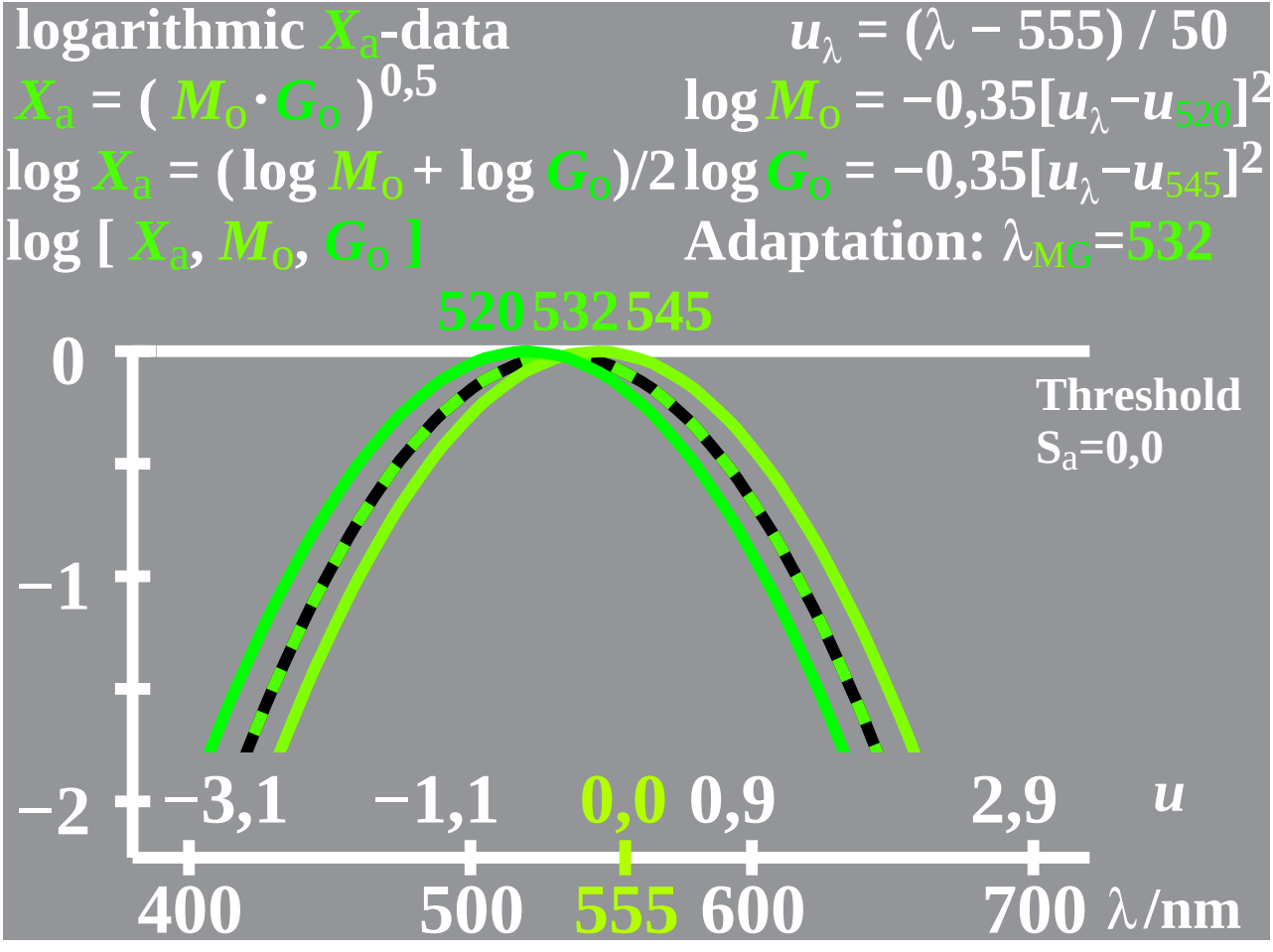
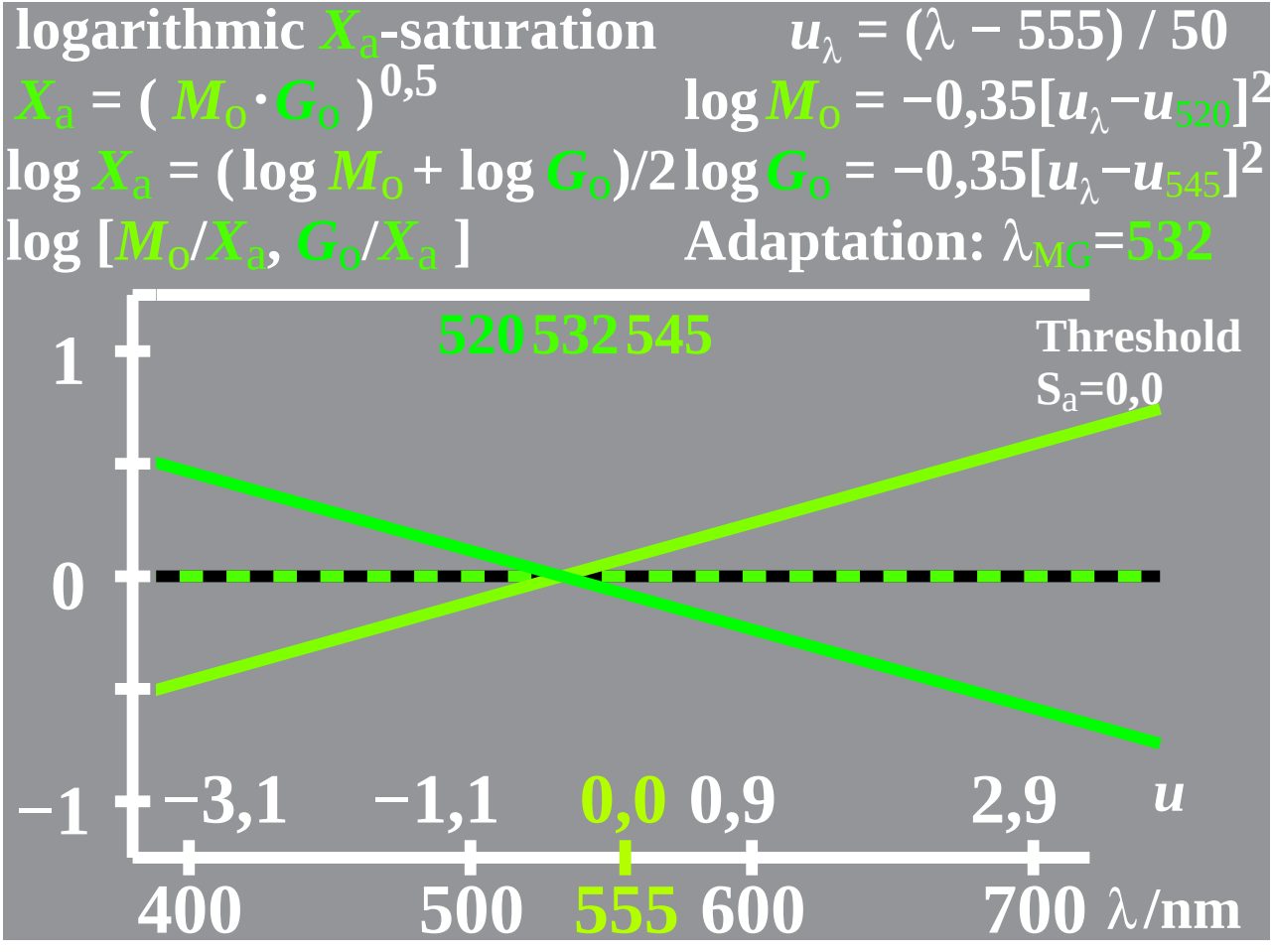
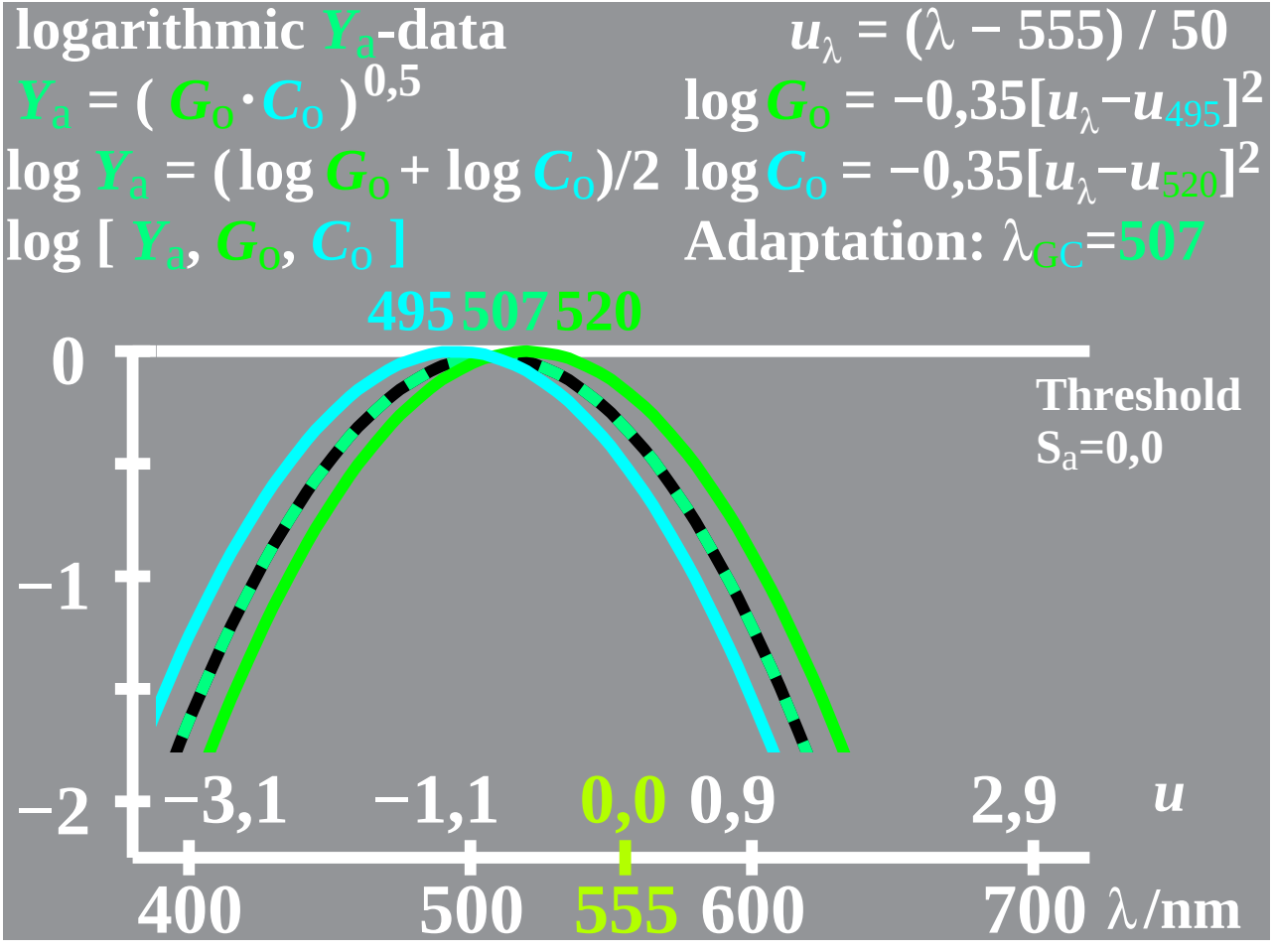

logarithmic U_a-data
$U_a = (L_o \cdot M_o)^{0,5}$
$\log U_a = (\log L_o + \log M_o)/2$
$\log [U_a, L_o, M_o]$
$u_\lambda = (\lambda - 555) / 50$
$\log L_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log M_o = -0{,}35[u_\lambda - u_{570}]^2$
Adaptation: λ_{LM}=557
545 557 570
0
−1
−2
Threshold
S_a=0,0
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm

TE320−7A


logarithmic U_a-saturation
$u_\lambda = (\lambda - 555) / 50$
$U_a = (L_o \cdot M_o)^{0,5}$
$\log L_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log U_a = (\log L_o + \log M_o)/2$
$\log M_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [L_o/U_a, M_o/U_a]$
Adaptation: λ_{LM}=557
545 557 570
Threshold
S_a=0,0
1
0
−1
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm


logarithmic X_a-data
$u_\lambda = (\lambda - 555) / 50$
$X_a = (M_o \cdot G_o)^{0,5}$
$\log M_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log X_a = (\log M_o + \log G_o)/2$
$\log G_o = -0{,}35[u_\lambda - u_{545}]^2$
log [X_a, M_o, G_o]
Adaptation: λ_{MG}=532
520 532 545
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 X_a-saturation
$u_\lambda = (\lambda - 555) / 50$
$X_a = (M_o \cdot G_o)^{0,5}$
$\log M_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log X_a = (\log M_o + \log G_o)/2$
$\log G_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [M_o/X_a, G_o/X_a]$
Adaptation: λ_{MG}=532
520 532 545
Threshold
S_a=0,0
1
0
−1
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm


logarithmic Y_a-data
$u_\lambda = (\lambda - 555) / 50$
$Y_a = (G_o \cdot C_o)^{0,5}$
$\log G_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log Y_a = (\log G_o + \log C_o)/2$
$\log C_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log [Y_a, G_o, C_o]$
Adaptation: λ_{GC}=507
495 507 520
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 Y_a-saturation

$Y_a = (G_o \cdot C_o)^{0,5}$

$\log Y_a = (\log G_o + \log C_o)/2$

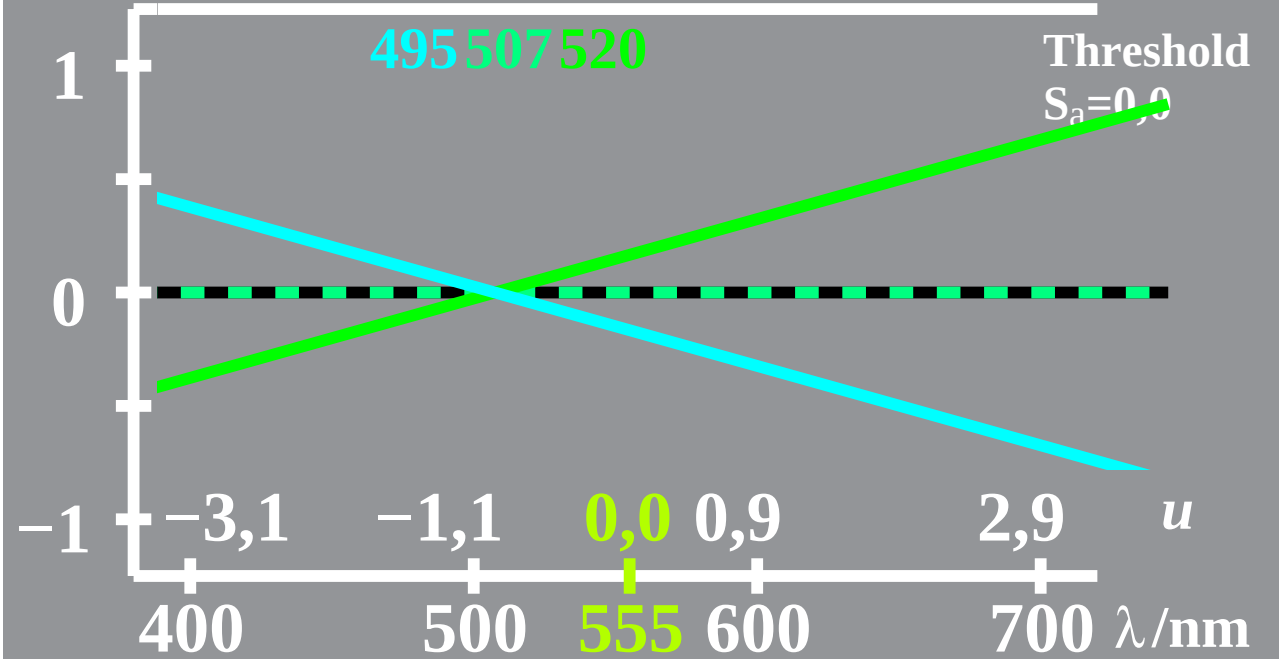
$\log [G_o/Y_a, C_o/Y_a]$

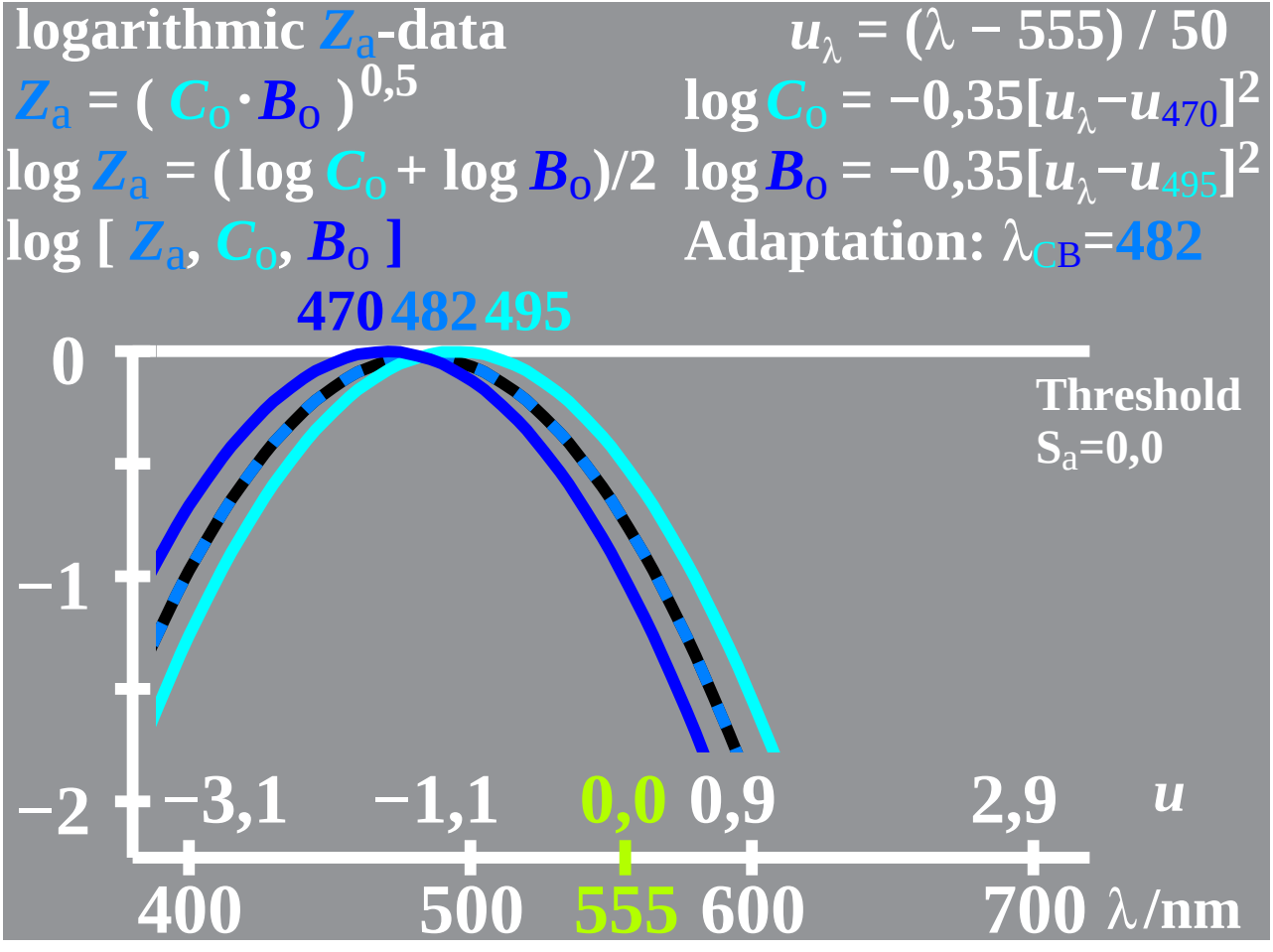
$u_\lambda = (\lambda - 555) / 50$

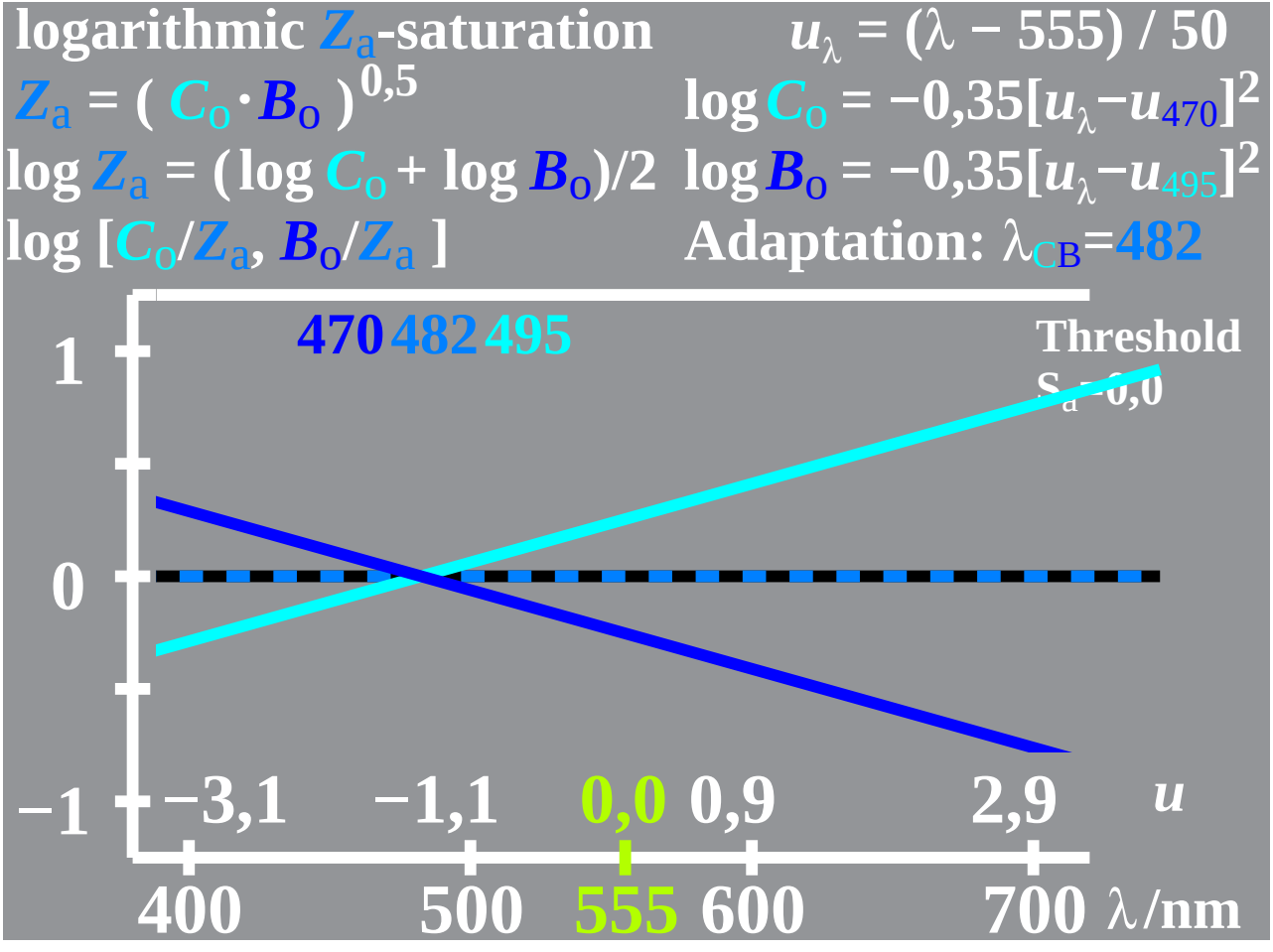
$\log G_o = -0{,}35[u_\lambda - u_{495}]^2$

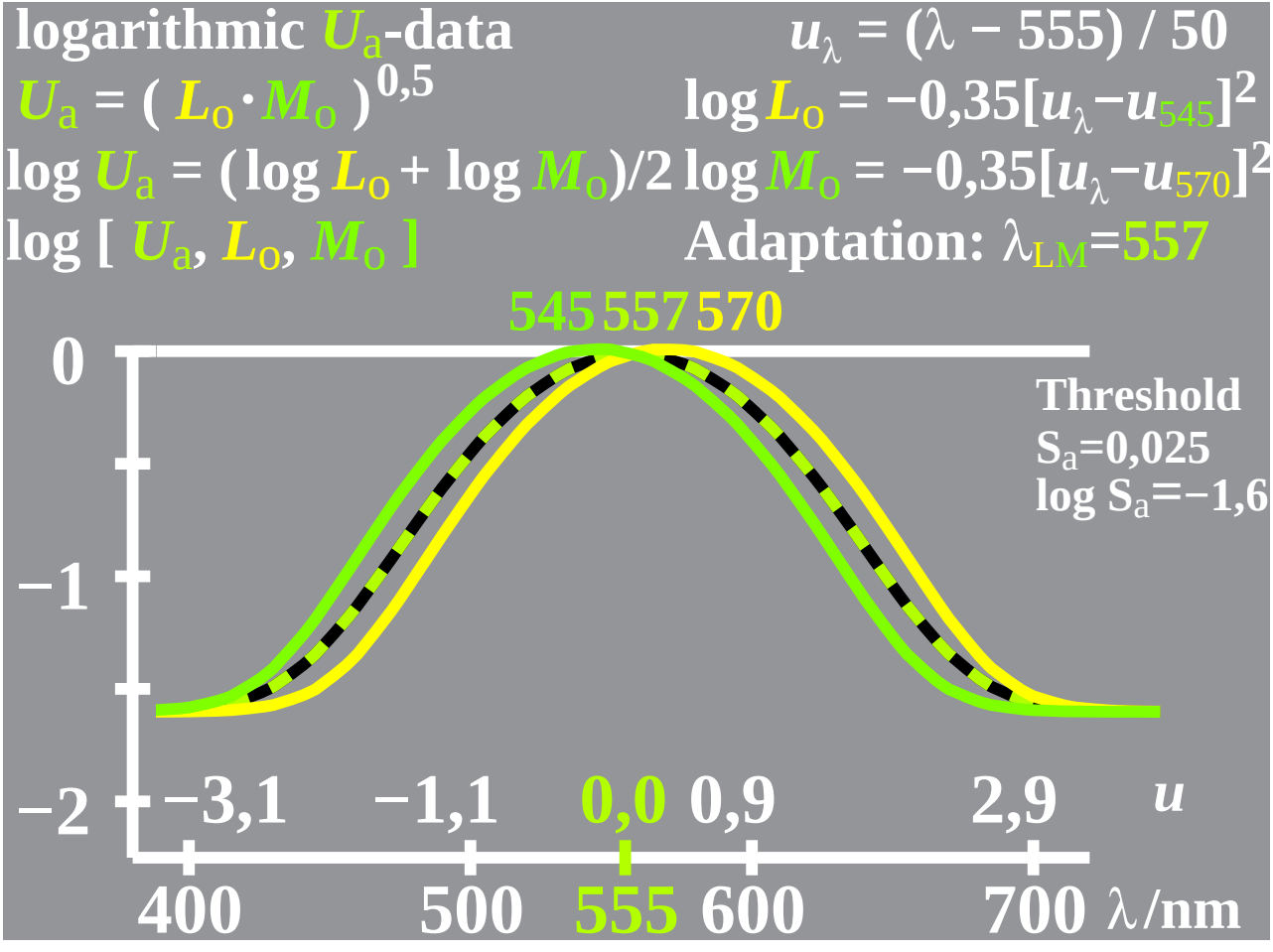
$\log C_o = -0{,}35[u_\lambda - u_{520}]^2$

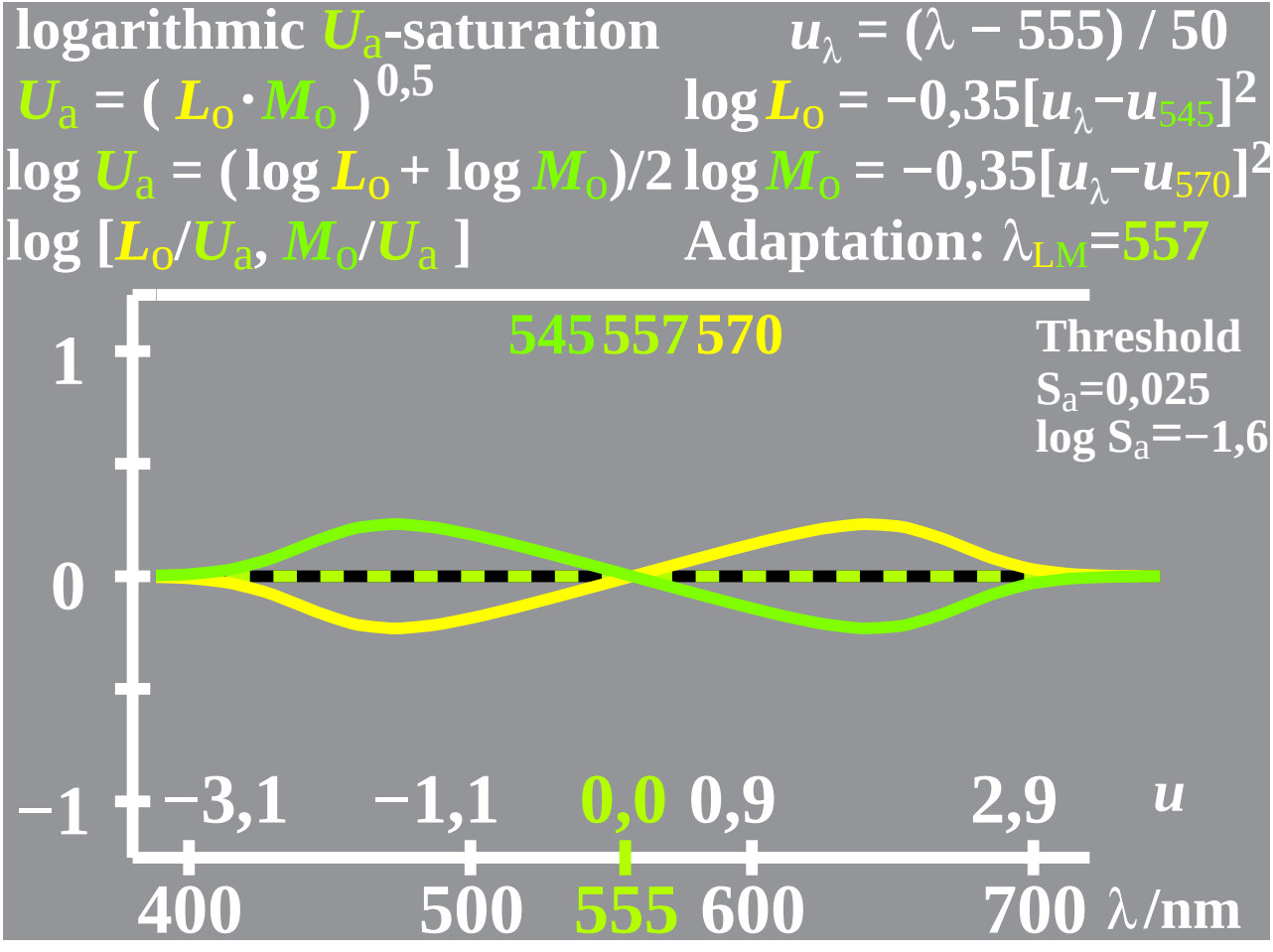
Adaptation: λ_{GC}=507

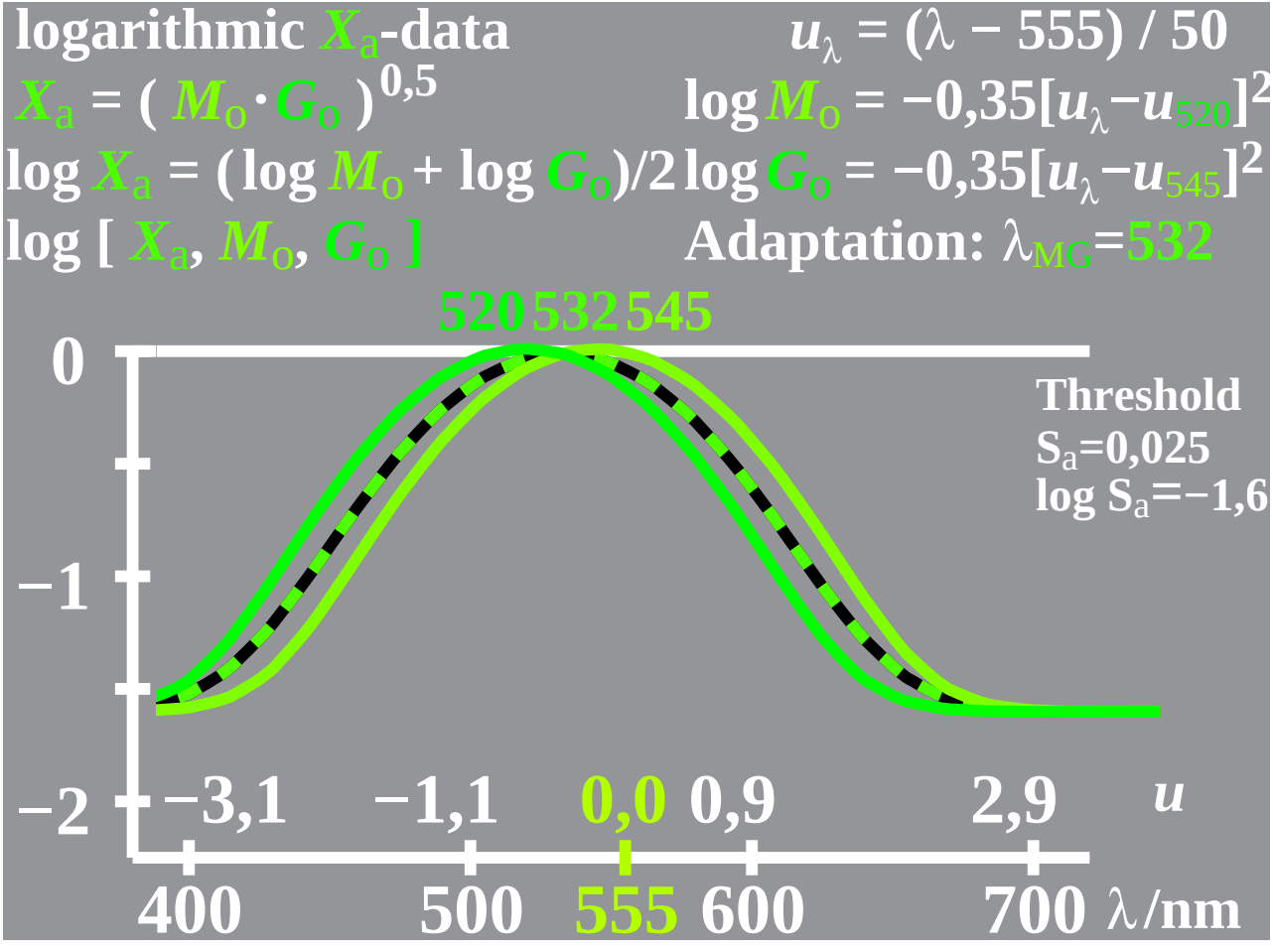


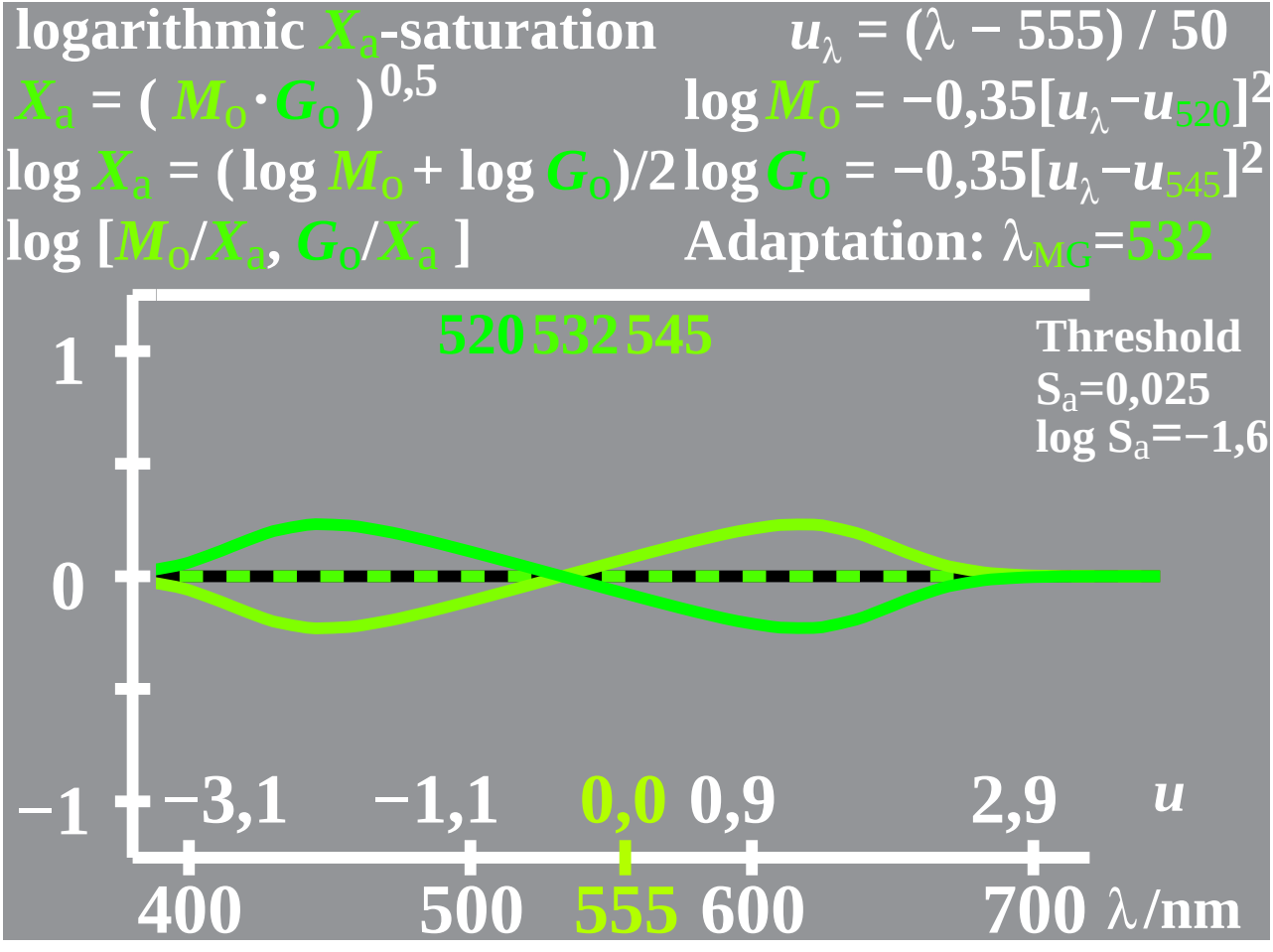

logarithmic Z_a-data
$u_\lambda = (\lambda - 555) / 50$
$Z_a = (C_o \cdot B_o)^{0,5}$
$\log C_o = -0,35[u_\lambda - u_{470}]^2$
$\log Z_a = (\log C_o + \log B_o)/2$
$\log B_o = -0,35[u_\lambda - u_{495}]^2$
log [Z_a, C_o, B_o]
Adaptation: λ_{CB}=482
470 482 495
0
−1
−2
Threshold
S_a=0,0
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm


logarithmic Z_a-saturation
$u_\lambda = (\lambda - 555) / 50$
$Z_a = (C_o \cdot B_o)^{0,5}$
$\log C_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log Z_a = (\log C_o + \log B_o)/2$
$\log B_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log [C_o/Z_a, B_o/Z_a]$
Adaptation: λ_{CB}=482
470 482 495
Threshold
S_a =0,0
1
0
−1
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm


logarithmic U_a-data
$U_a = (L_o \cdot M_o)^{0,5}$
$\log U_a = (\log L_o + \log M_o)/2$
$\log [U_a, L_o, M_o]$
$u_\lambda = (\lambda - 555) / 50$
$\log L_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log M_o = -0{,}35[u_\lambda - u_{570}]^2$
Adaptation: λ_{LM}=557
545 557 570
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_a-saturation
$u_\lambda = (\lambda - 555) / 50$
$U_a = (L_o \cdot M_o)^{0,5}$
$\log L_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log U_a = (\log L_o + \log M_o)/2$
$\log M_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [L_o/U_a, M_o/U_a]$
Adaptation: λ_{LM}=557
545 557 570
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 X_a-data
$u_\lambda = (\lambda - 555) / 50$
$X_a = (M_o \cdot G_o)^{0,5}$
$\log M_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log X_a = (\log M_o + \log G_o)/2$
$\log G_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [X_a, M_o, G_o]$
Adaptation: λ_{MG}=532
520 532 545
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 X_a-saturation
$u_\lambda = (\lambda - 555) / 50$
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$\log M_o = -0{,}35[u_\lambda - u_{520}]^2$
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Adaptation: $\lambda_{MG}=532$
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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
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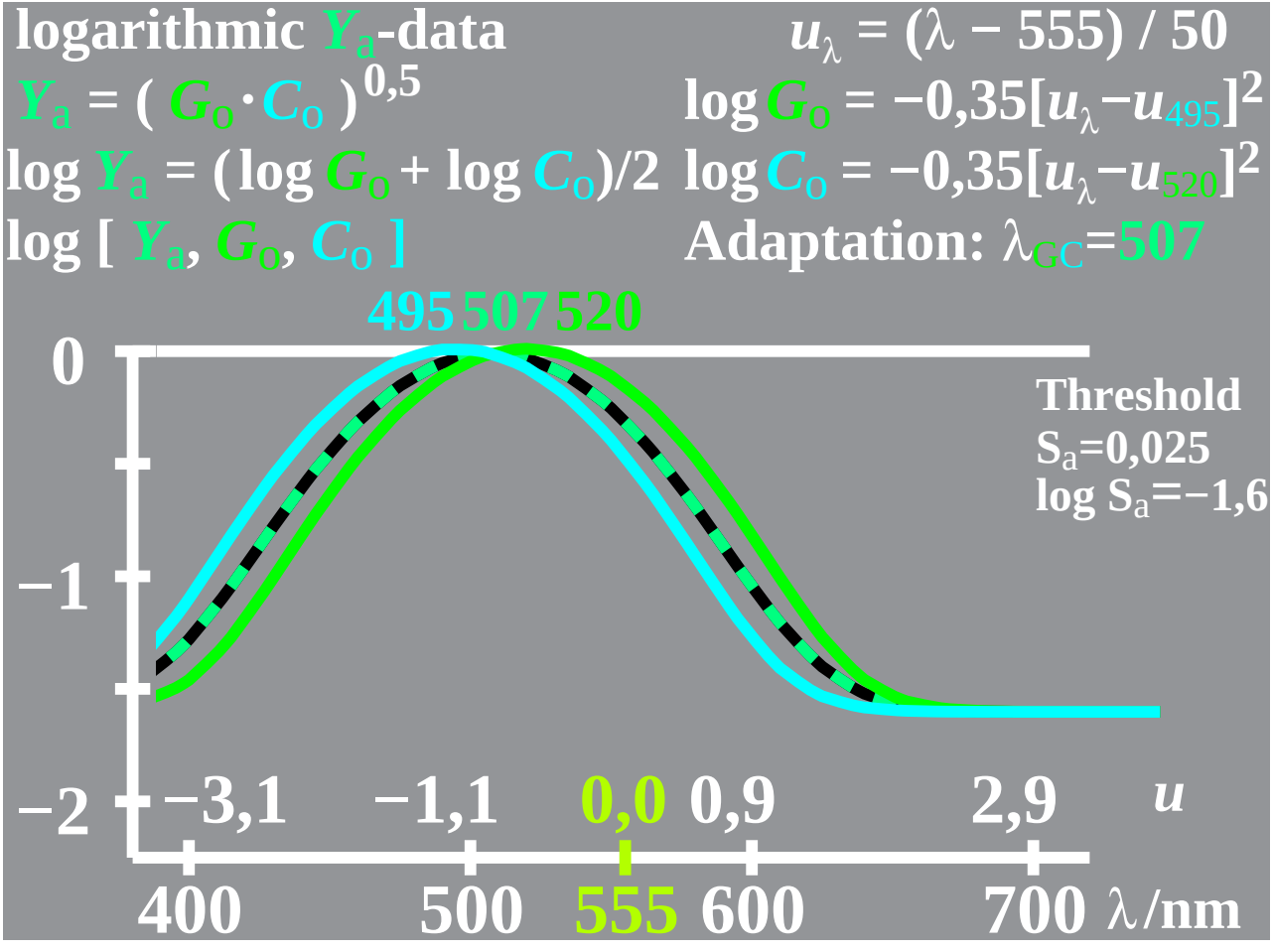
600
700
λ/nm


logarithmic Y_a-data
$Y_a = (G_o \cdot C_o)^{0,5}$
$\log Y_a = (\log G_o + \log C_o)/2$
$\log [\ Y_a, G_o, C_o\ ]$
$u_\lambda = (\lambda - 555) / 50$
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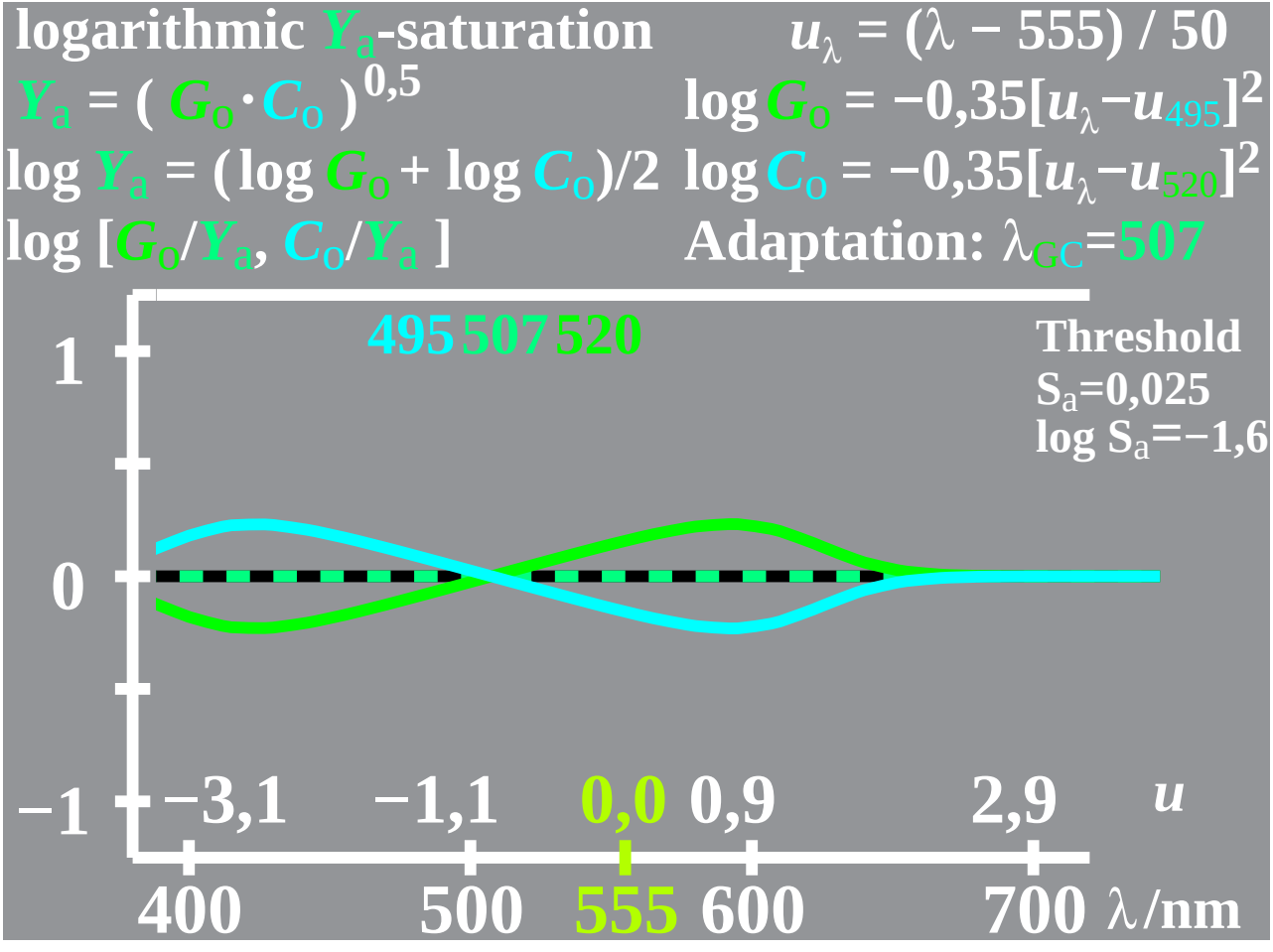
Adaptation: λ_{GC}=507
495 507 520
0
−1
−2
Threshold
S_a=0,025
$\log S_a$=−1,6
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm


logarithmic Y_a-saturation
$u_\lambda = (\lambda - 555) / 50$
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$\log G_o = -0{,}35[u_\lambda - u_{495}]^2$
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$\log [G_o/Y_a, C_o/Y_a]$
Adaptation: λ_{GC}=507
495 507 520
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S_a=0,025
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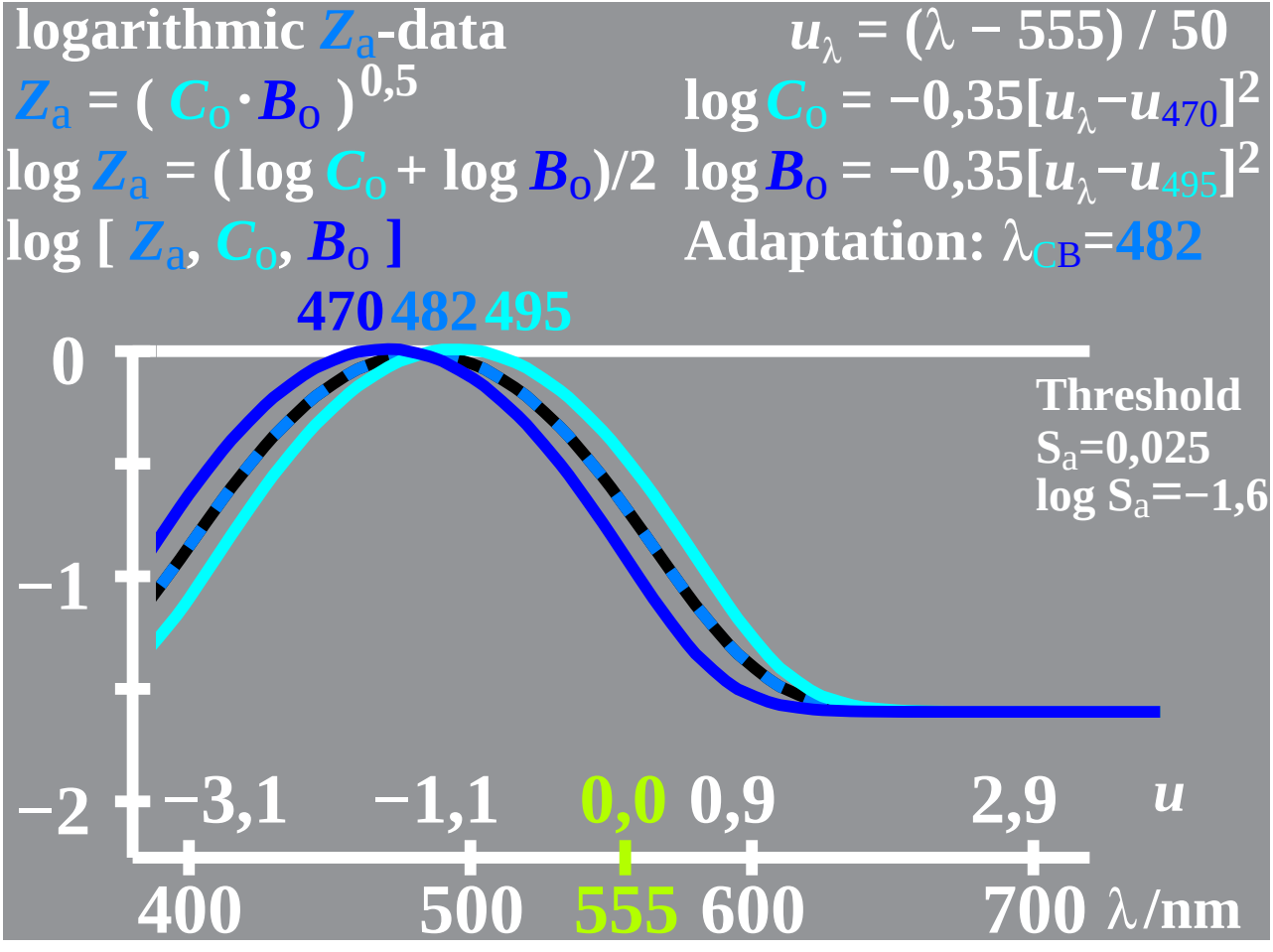
1
0
−1
−3,1
−1,1
0,0
0,9
2,9
u
400
500
555
600
700
λ/nm


logarithmic Z_a-data
$u_\lambda = (\lambda - 555) / 50$
$Z_a = (C_o \cdot B_o)^{0,5}$
$\log C_o = -0,35[u_\lambda - u_{470}]^2$
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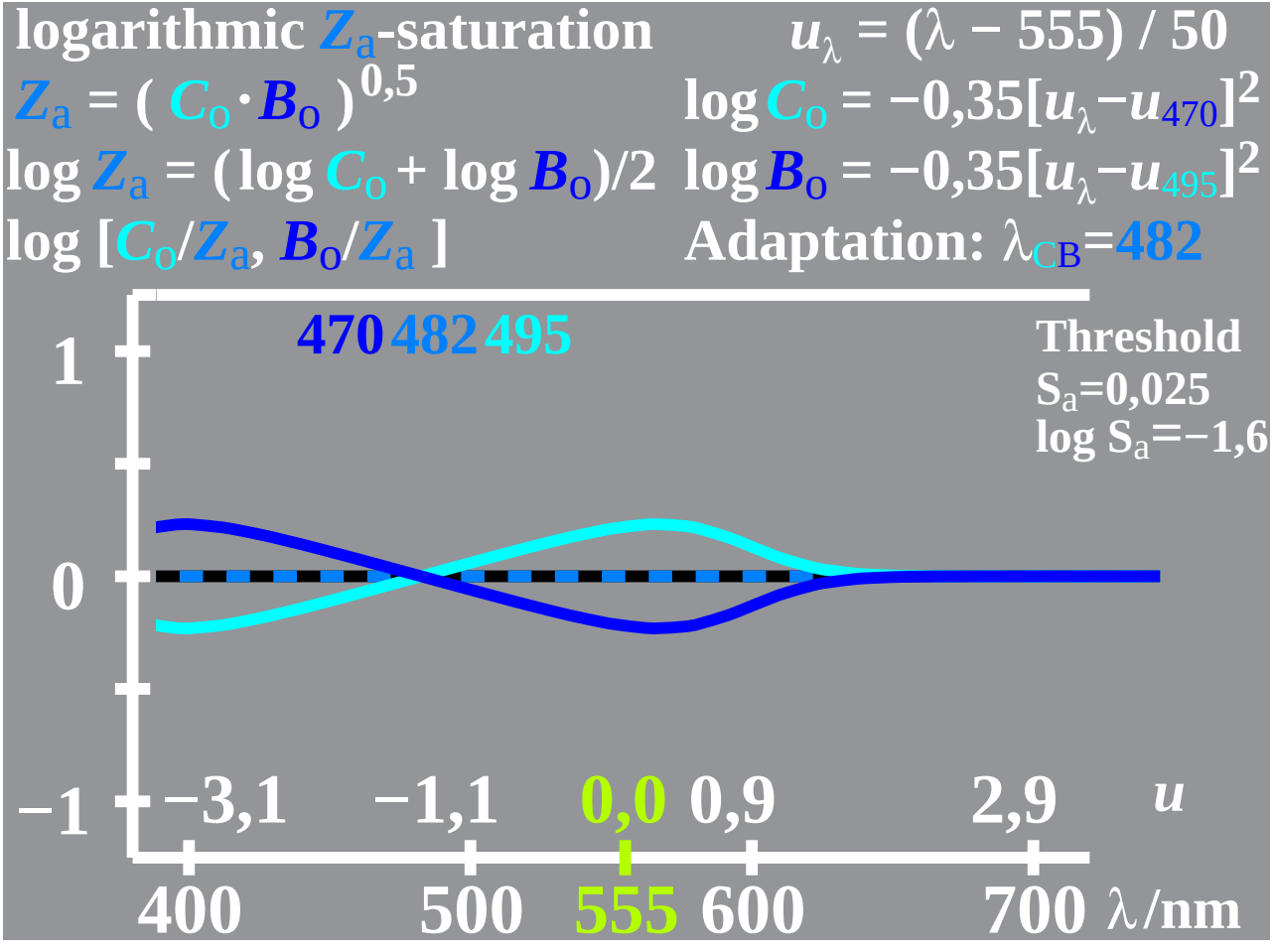
log [Z_a, C_o, B_o]
Adaptation: λ_{CB}=482
470 482 495
0
−1
−2
Threshold
S_a=0,025
log S_a=−1,6
−3,1 −1,1 0,0 0,9 2,9 u
400 500 555 600 700 λ/nm


logarithmic Z_a-saturation
$u_\lambda = (\lambda - 555) / 50$
$Z_a = (C_o \cdot B_o)^{0,5}$
$\log C_o = -0{,}35[u_\lambda - u_{470}]^2$
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Adaptation: λ_{CB}=482
470 482 495
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