logarithmic L_a, U_o-data

$L_a = (R_o \cdot G_o)^{0,5}$

$\log L_a = (\log R_o + \log G_o)/2$

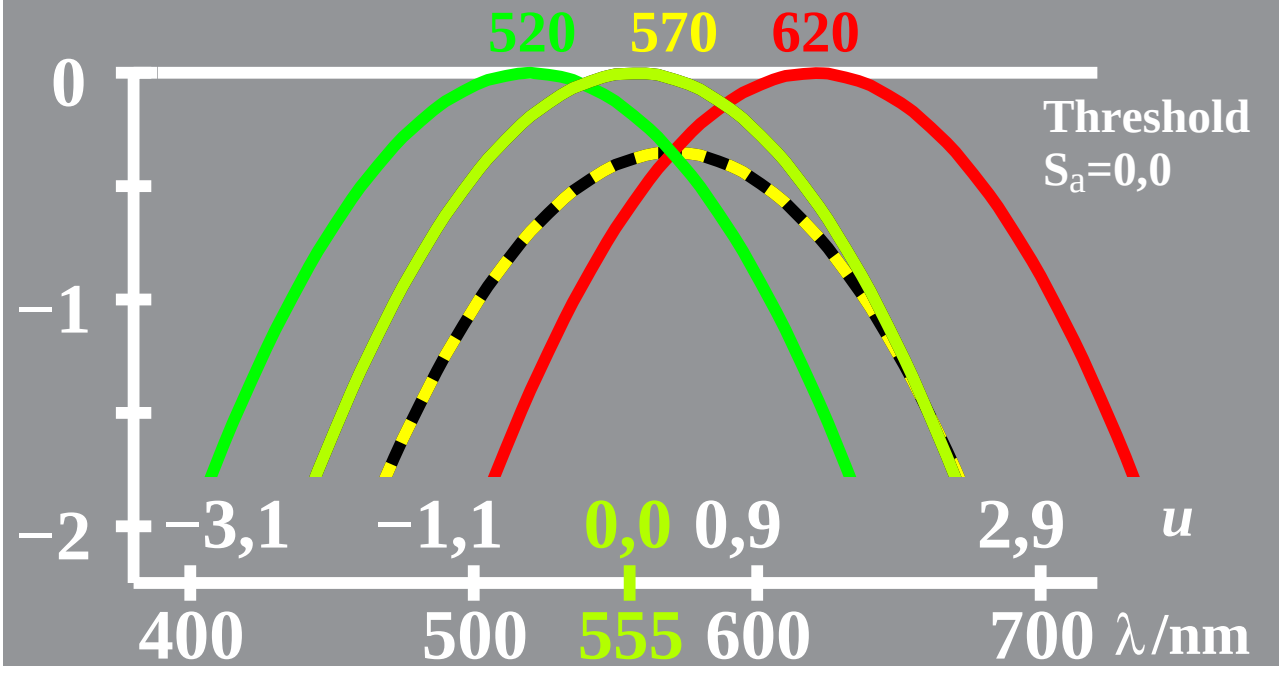
$\log [\ L_a, R_o, G_o, U_o\ ]$

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

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

$\log G_o = -0{,}35[u_\lambda - u_{620}]^2$

Adaptation: λ_{RG}=570



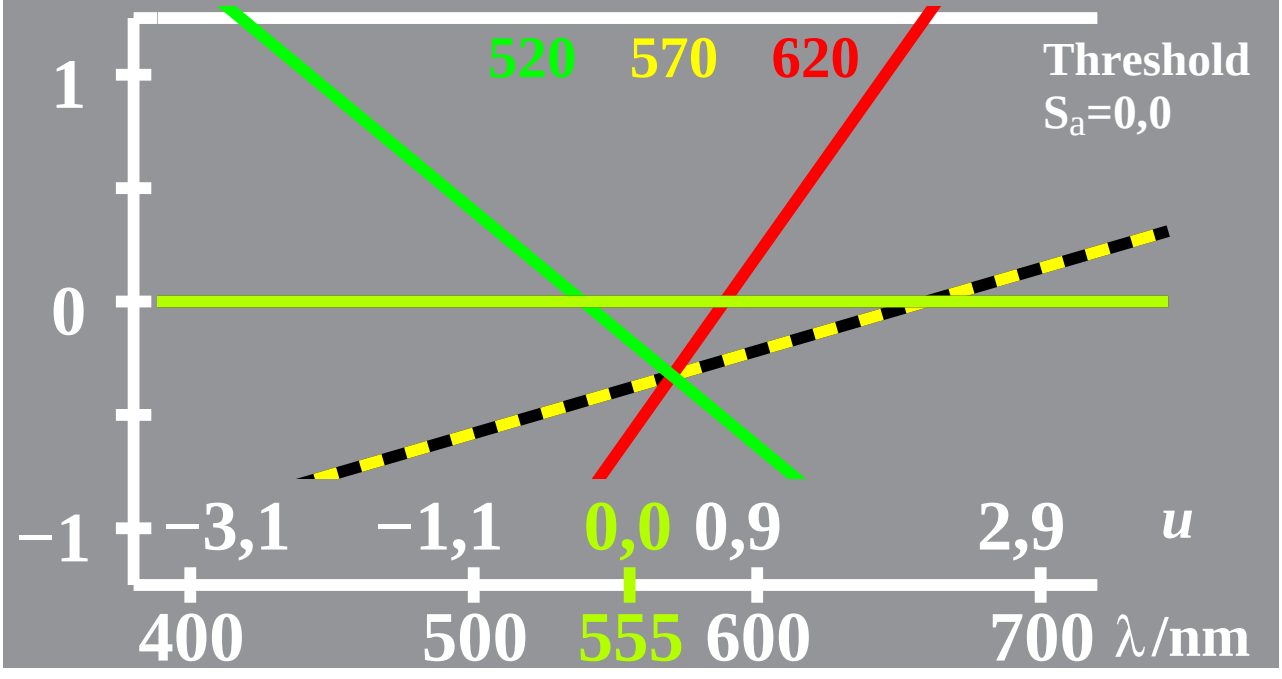
TI330−7A

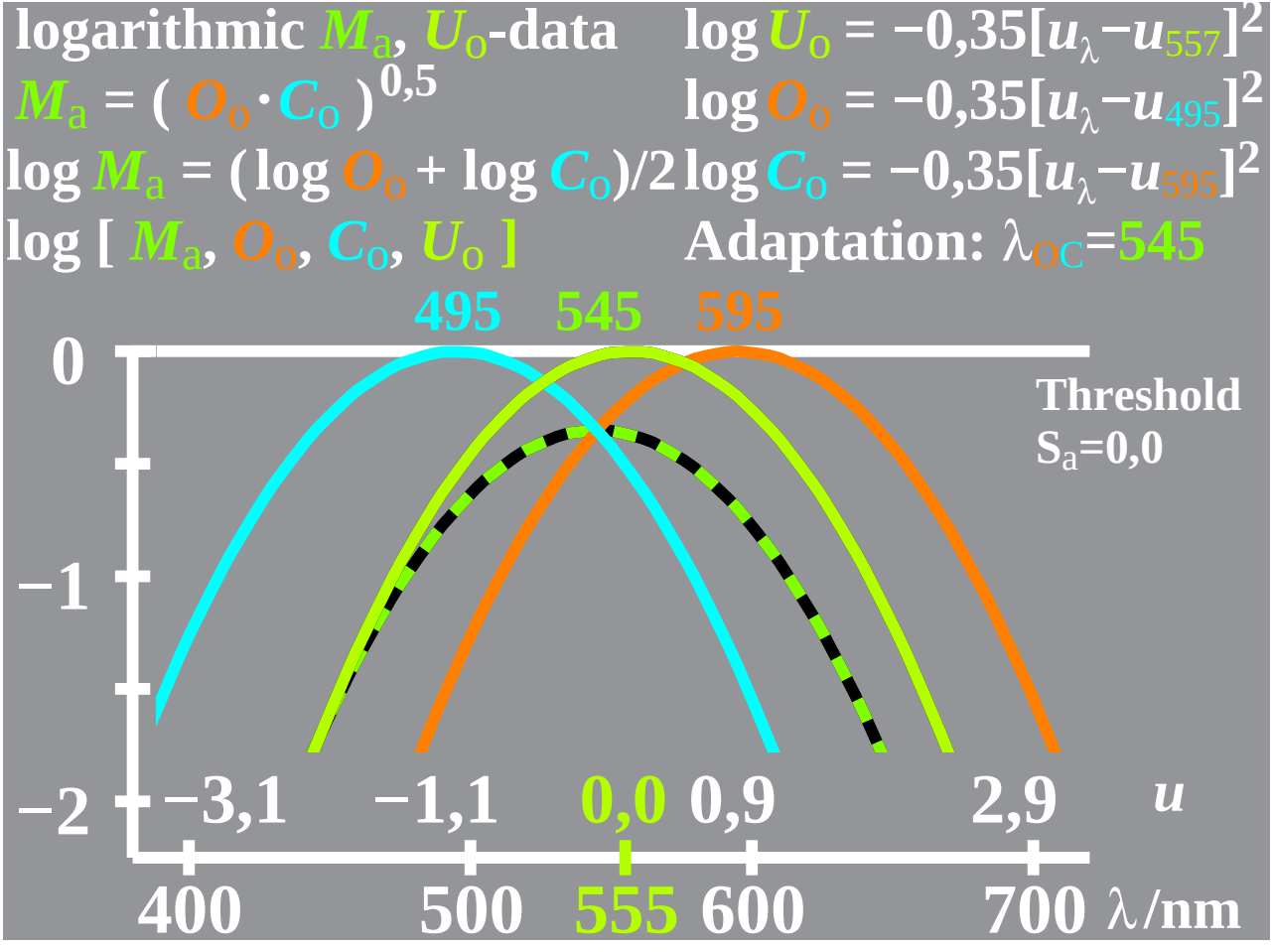
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

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

$\log L_a = (\log R_o + \log G_o)/2$ $\log G_o = -0{,}35[u_\lambda - u_{620}]^2$

$\log [R_o/U_o, G_o/U_o, L_a/U_o]$ Adaptation: λ_{RG}=570



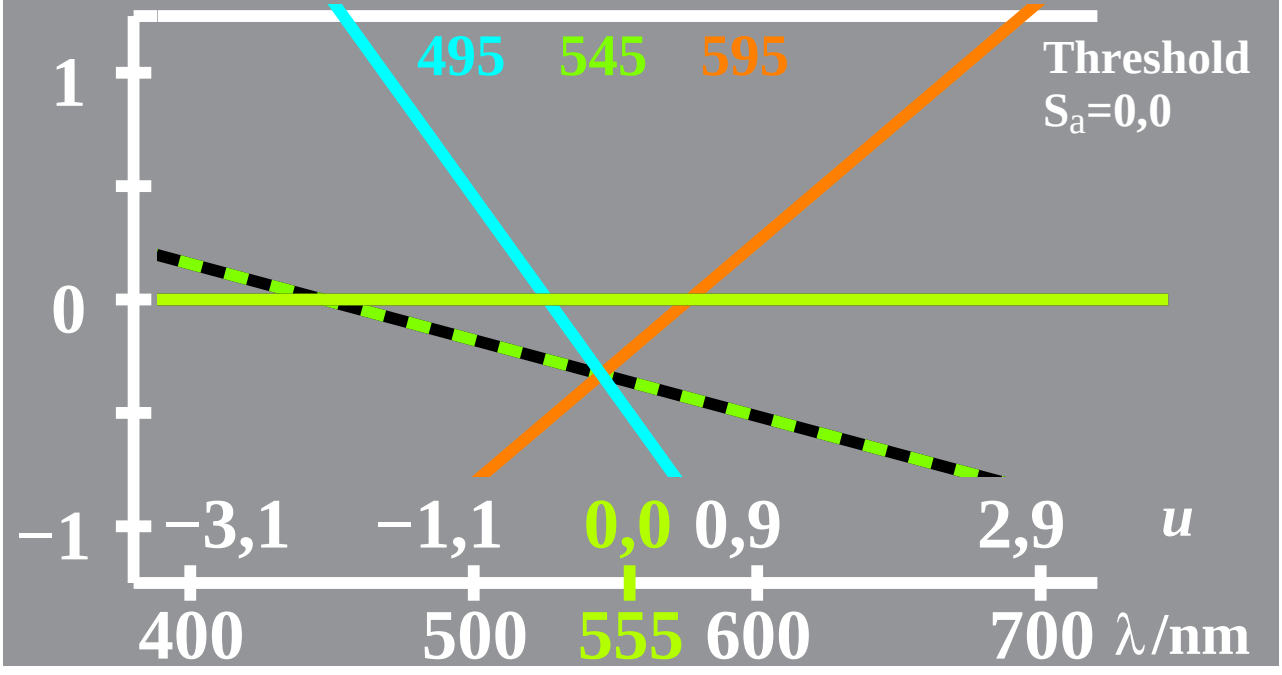

logarithmic M_a, U_o-data
$M_a = (O_o \cdot C_o)^{0,5}$
$\log M_a = (\log O_o + \log C_o)/2$
log [M_a, O_o, C_o, U_o]
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log O_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log C_o = -0{,}35[u_\lambda - u_{595}]^2$
Adaptation: λ_{OC}=545
495
545
595
0
−1
−2
Threshold
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 $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

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

$\log M_a = (\log O_o + \log C_o)/2$ $\log C_o = -0{,}35[u_\lambda - u_{595}]^2$

$\log [O_o/U_o, C_o/U_o, M_a/U_o]$ Adaptation: λ_{OC}=545



logarithmic G_a, U_o-data

$G_a = (L_o \cdot B_o)^{0,5}$

$\log G_a = (\log L_o + \log B_o)/2$

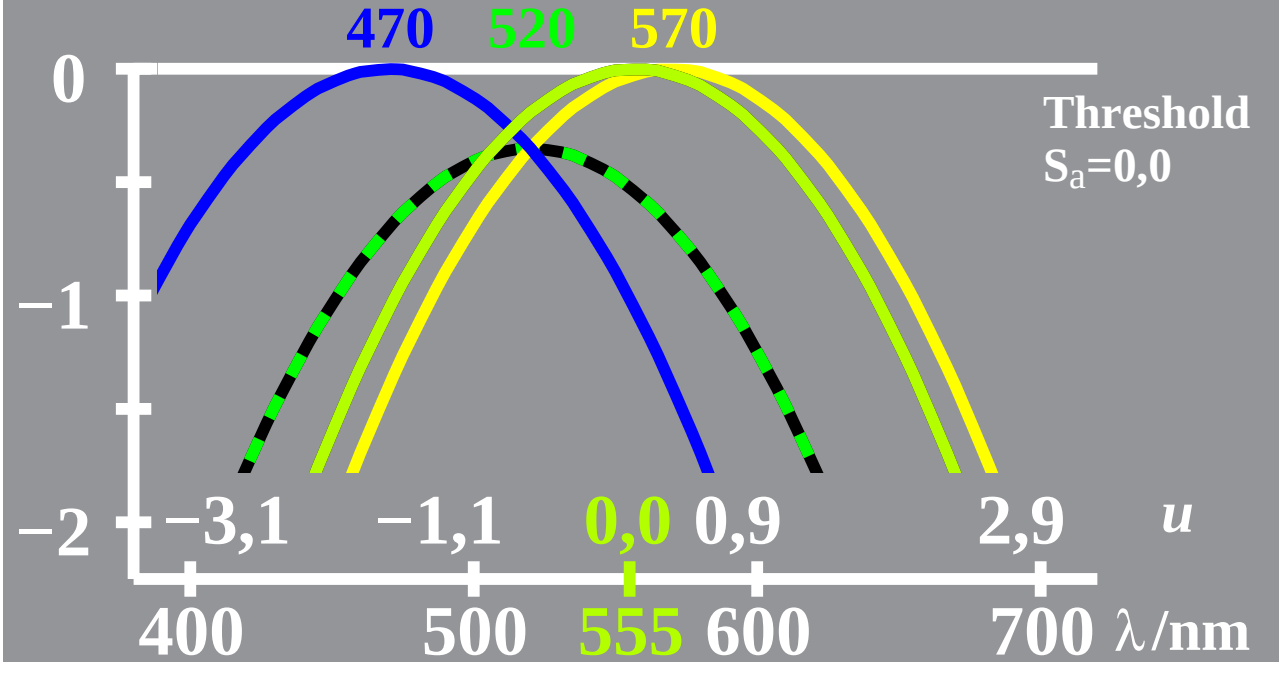
log [G_a, L_o, B_o, U_o]

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

$\log L_o = -0{,}35[u_\lambda - u_{470}]^2$

$\log B_o = -0{,}35[u_\lambda - u_{570}]^2$

Adaptation: λ_{LB}=520

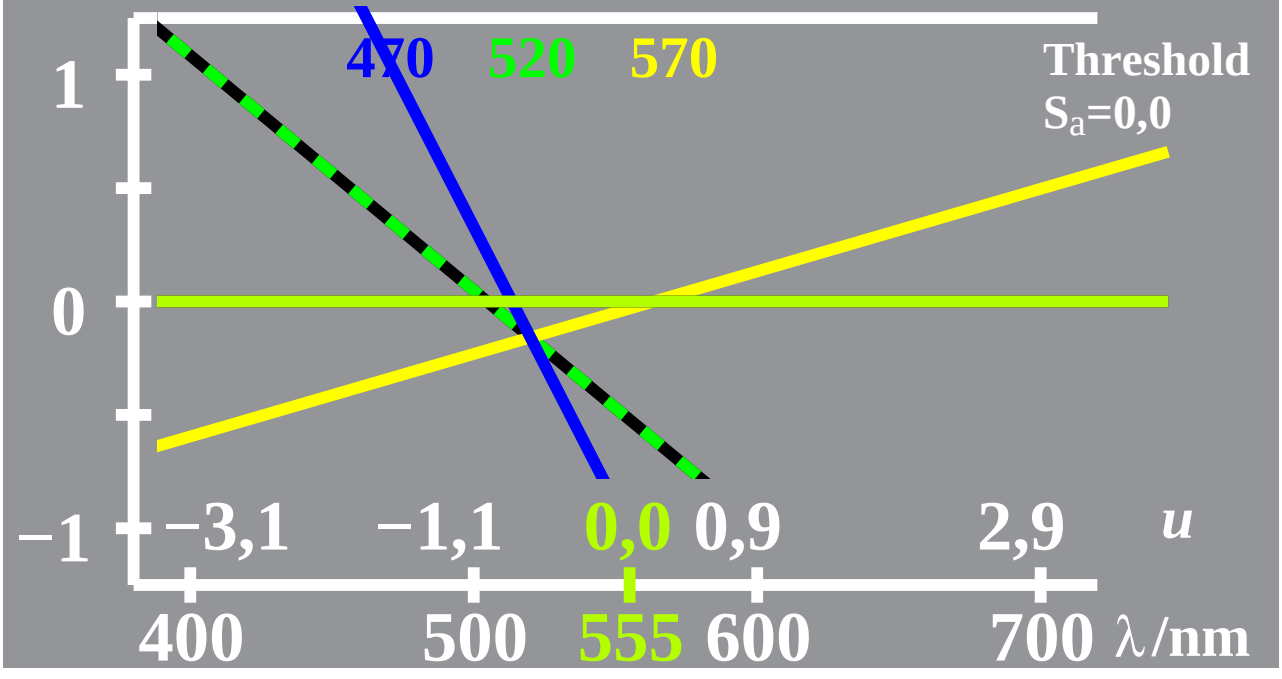


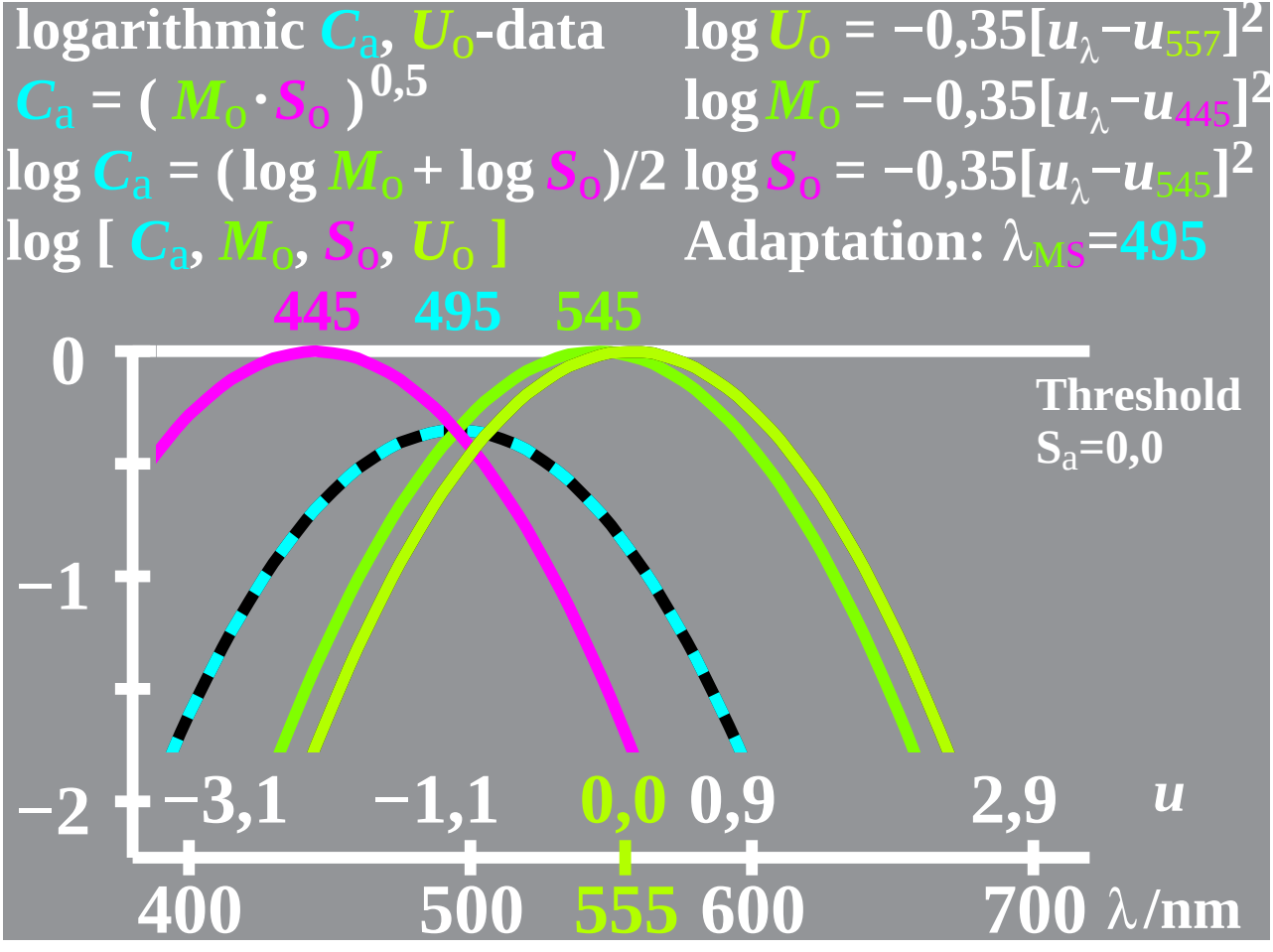
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

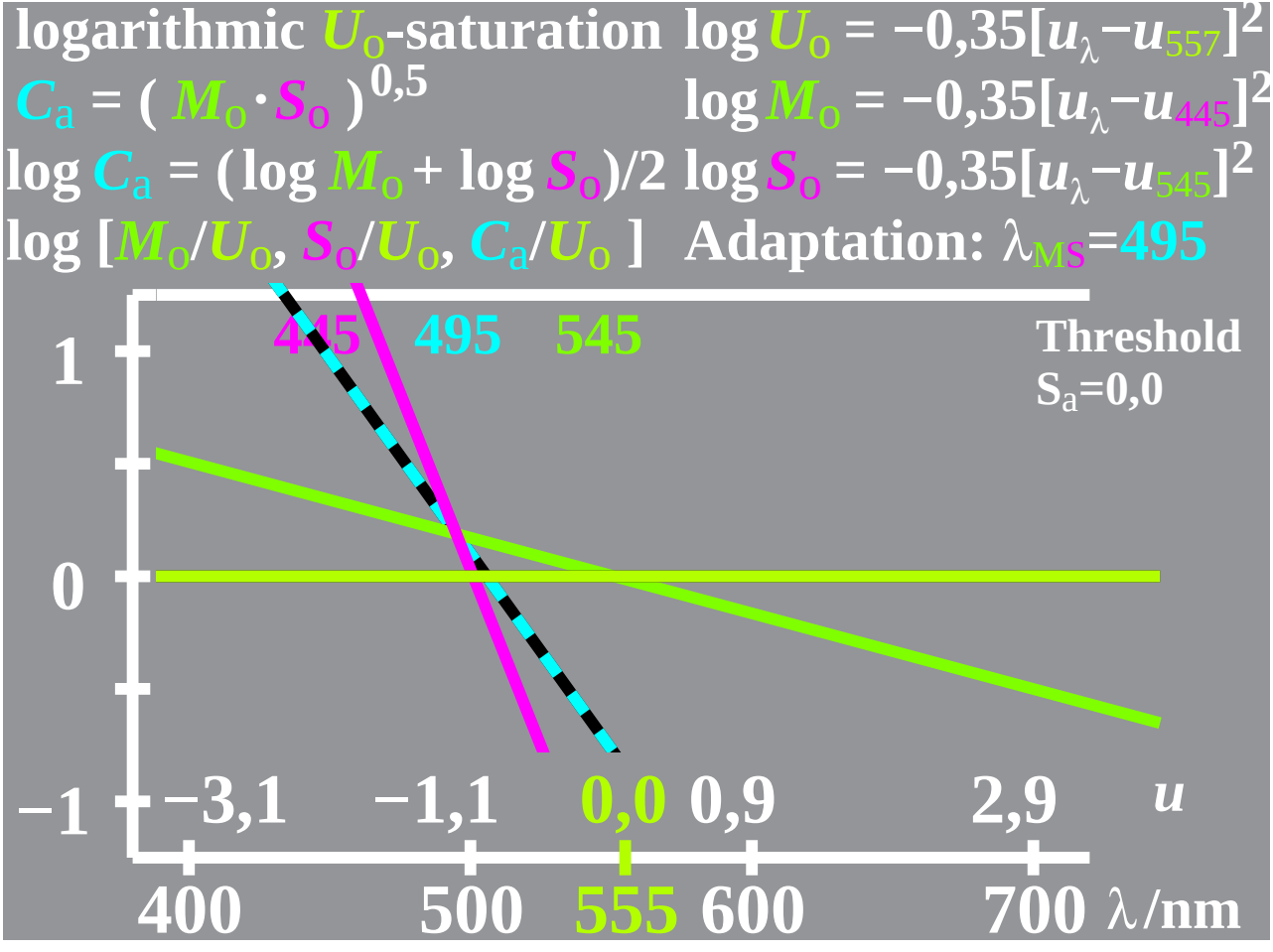
$G_a = (L_o \cdot B_o)^{0,5}$ $\log L_o = -0{,}35[u_\lambda - u_{470}]^2$

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

$\log [L_o/U_o, B_o/U_o, G_a/U_o]$ Adaptation: λ_{LB}=520




logarithmic C_a, U_o-data
$C_a = (M_o \cdot S_o)^{0,5}$
$\log C_a = (\log M_o + \log S_o)/2$
$\log [C_a, M_o, S_o, U_o]$
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log M_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log S_o = -0{,}35[u_\lambda - u_{545}]^2$
Adaptation: λ_{MS}=495
445
495
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
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$C_a = (M_o \cdot S_o)^{0,5}$
$\log M_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log C_a = (\log M_o + \log S_o)/2$
$\log S_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [M_o/U_o, S_o/U_o, C_a/U_o]$
Adaptation: λ_{MS}=495
445
495
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 L_a, U_o-data

$L_a = (R_o \cdot G_o)^{0,5}$

$\log L_a = (\log R_o + \log G_o)/2$

$\log [\ L_a, R_o, G_o, U_o\ ]$

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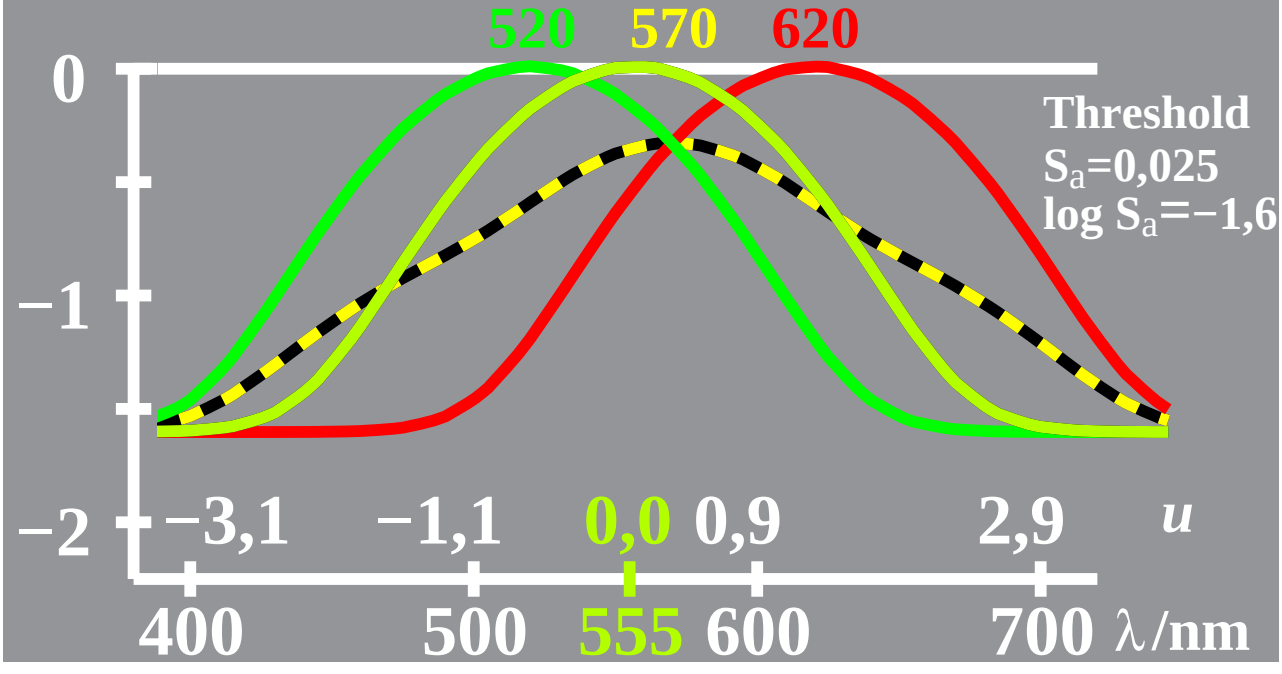
$\log R_o = -0{,}35[u_\lambda - u_{520}]^2$

$\log G_o = -0{,}35[u_\lambda - u_{620}]^2$

Adaptation: λ_{RG}=570

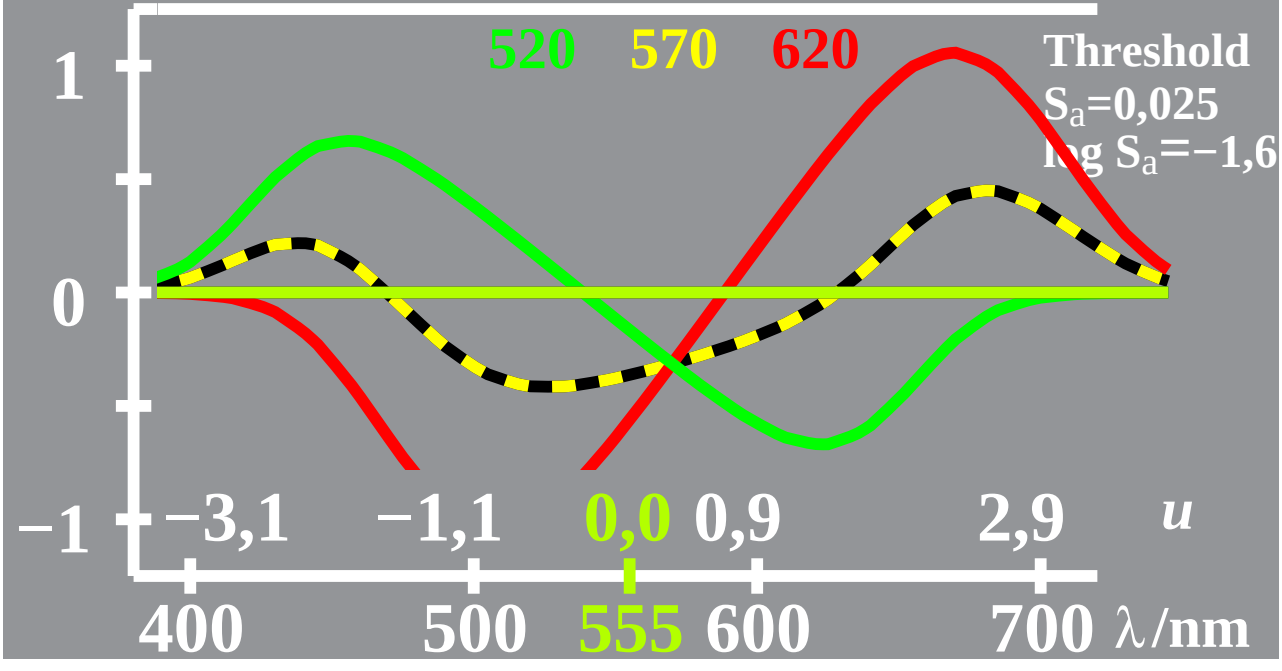


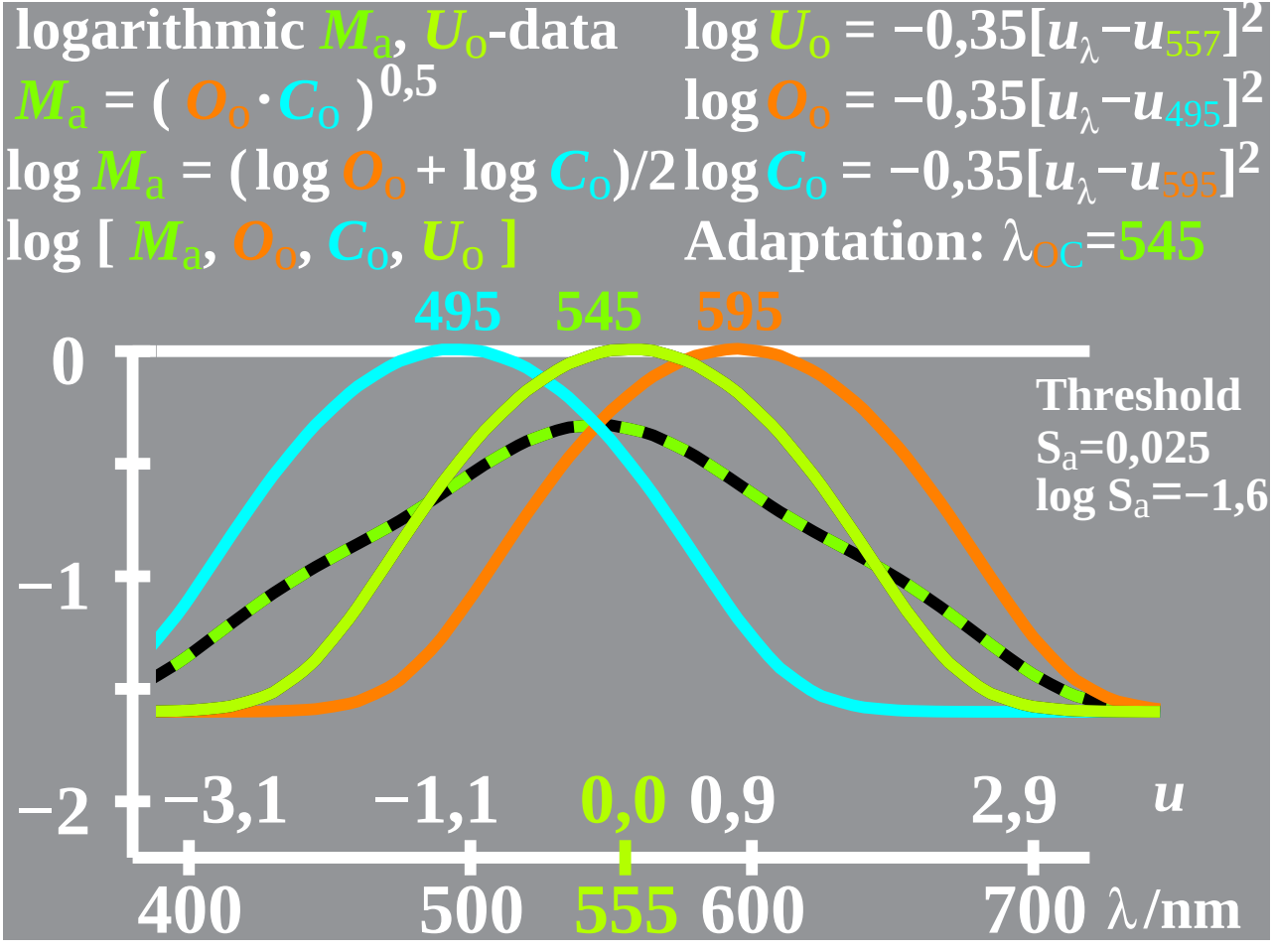
logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

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

$\log L_a = (\log R_o + \log G_o)/2$ $\log G_o = -0{,}35[u_\lambda - u_{620}]^2$

$\log [R_o/U_o, G_o/U_o, L_a/U_o]$ Adaptation: λ_{RG}=570

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$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$\log O_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log C_o = -0{,}35[u_\lambda - u_{595}]^2$
Adaptation: λ_{OC}=545
495
545
595
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 $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

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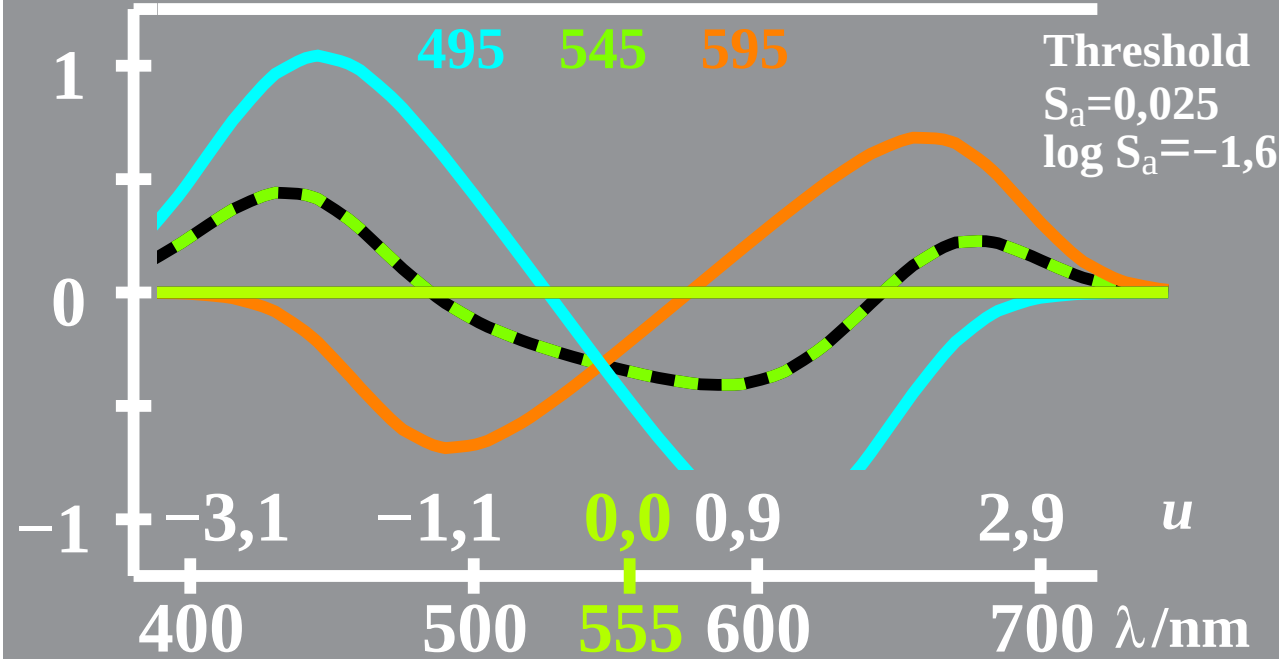
$\log M_a = (\log O_o + \log C_o)/2$ $\log C_o = -0{,}35[u_\lambda - u_{595}]^2$

$\log [O_o/U_o, C_o/U_o, M_a/U_o]$ Adaptation: λ_{OC}=545



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$\log G_a = (\log L_o + \log B_o)/2$

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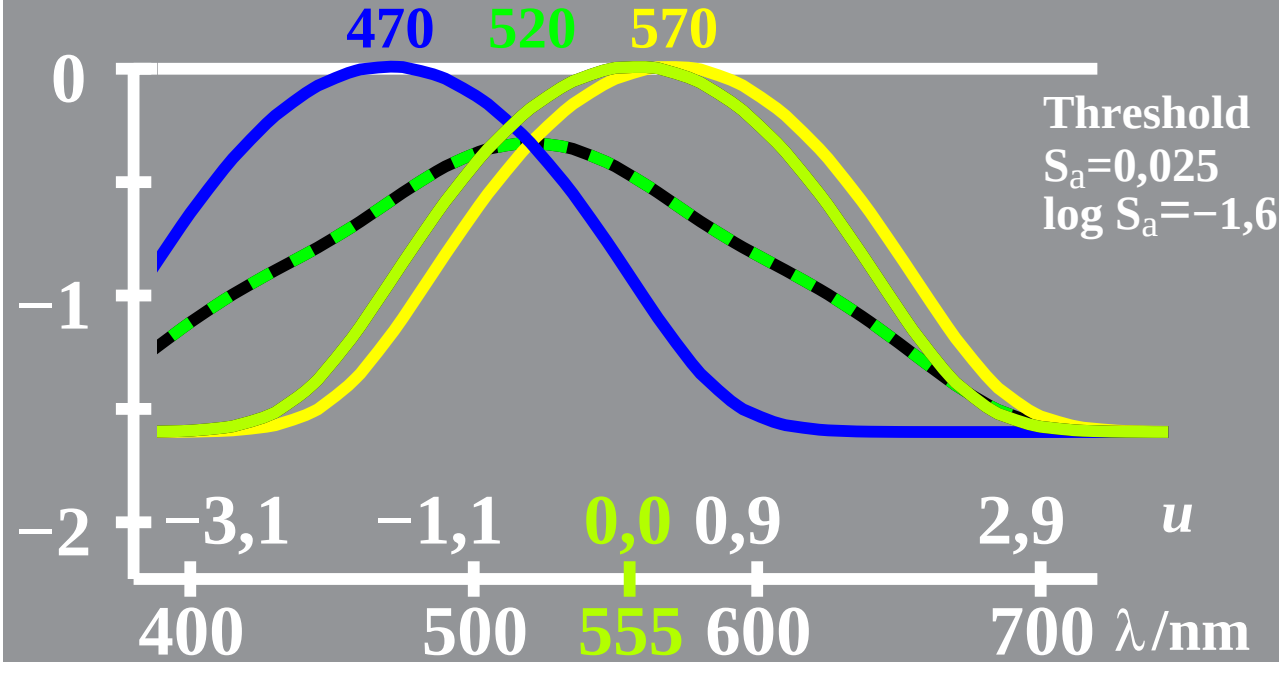
Adaptation: λ_{LB}=520

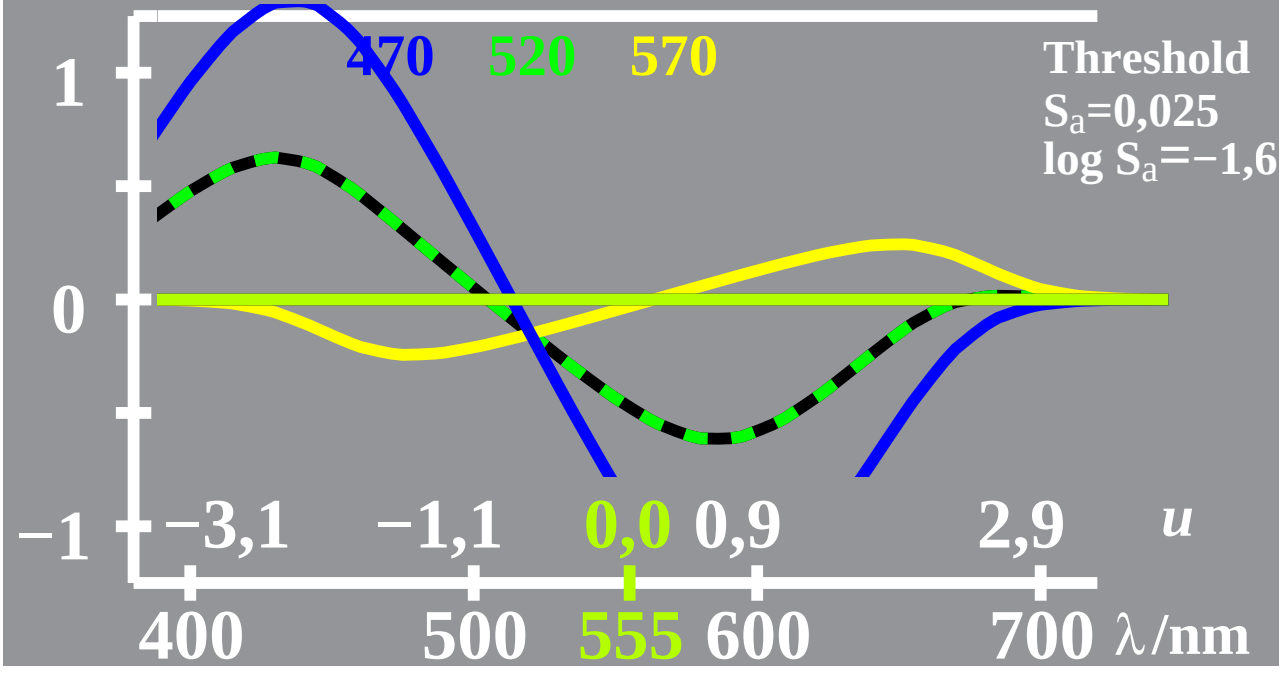


logarithmic U_o-saturation $\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

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

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

$\log [L_o/U_o, B_o/U_o, G_a/U_o]$ Adaptation: λ_{LB}=520



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$C_a = (M_o \cdot S_o)^{0,5}$

$\log C_a = (\log M_o + \log S_o)/2$

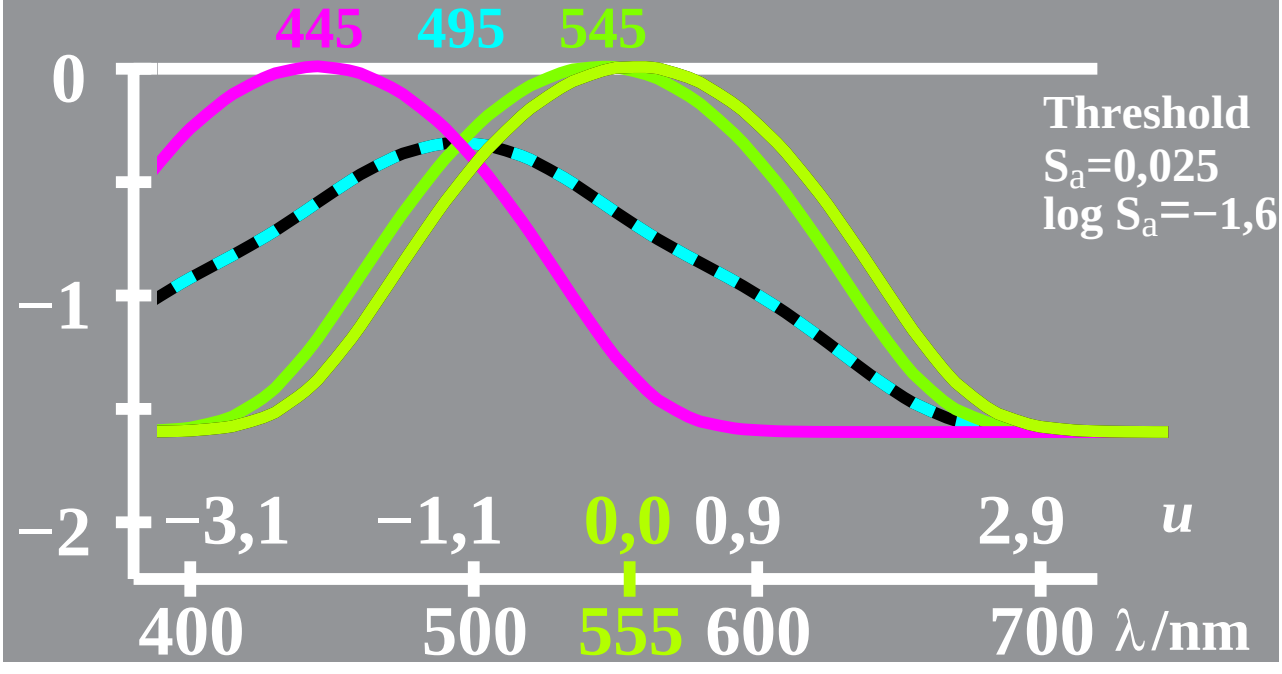
$\log [\ C_a, M_o, S_o, U_o\ ]$

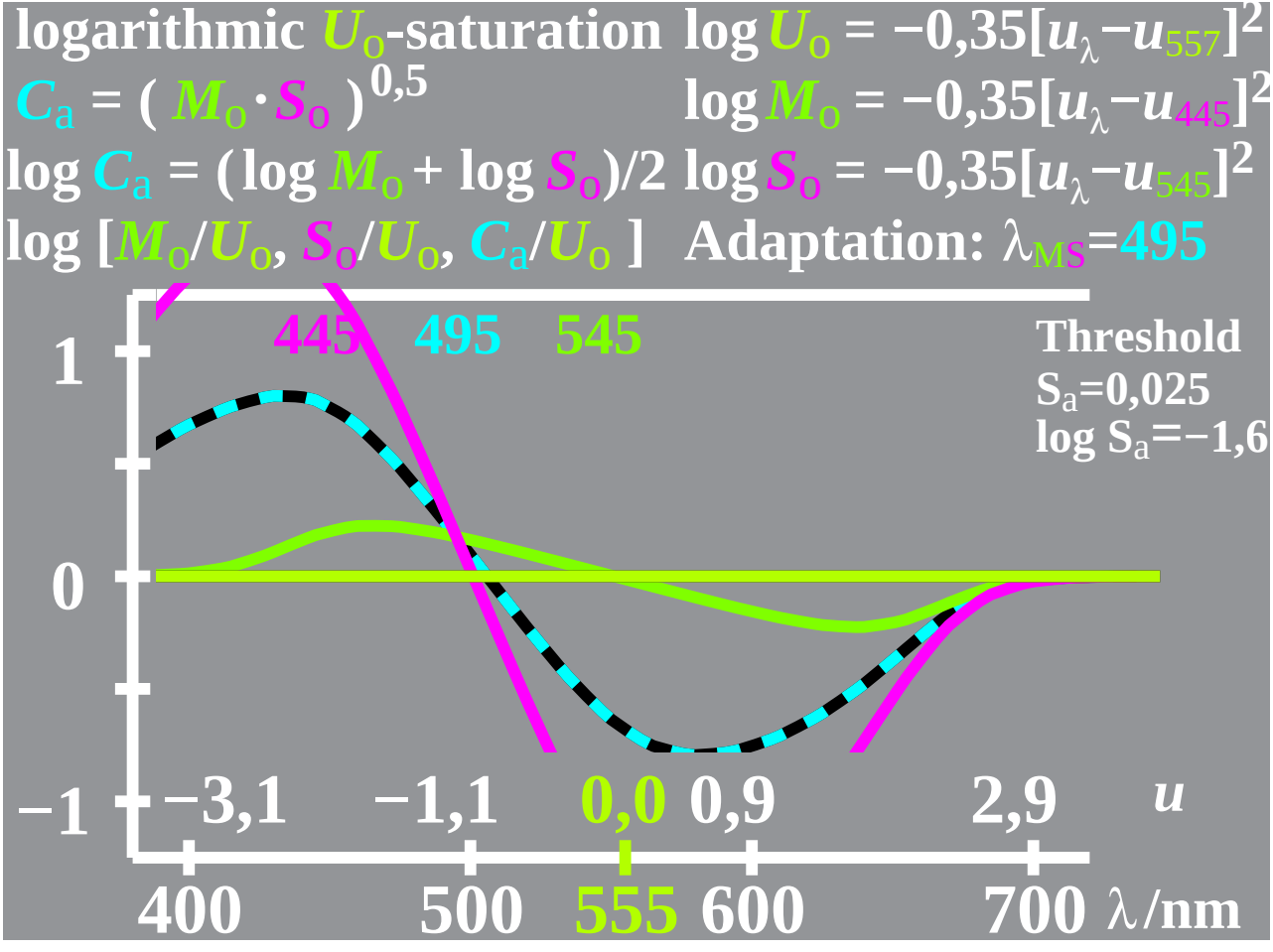
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$

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

$\log S_o = -0{,}35[u_\lambda - u_{545}]^2$

Adaptation: λ_{MS}=495




logarithmic U_o-saturation
$\log U_o = -0{,}35[u_\lambda - u_{557}]^2$
$C_a = (M_o \cdot S_o)^{0,5}$
$\log M_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log C_a = (\log M_o + \log S_o)/2$
$\log S_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [M_o/U_o, S_o/U_o, C_a/U_o]$
Adaptation: λ_{MS}=495
445
495
545
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