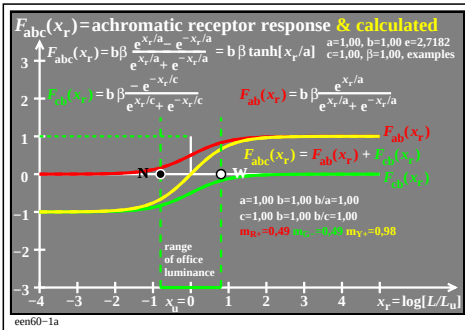
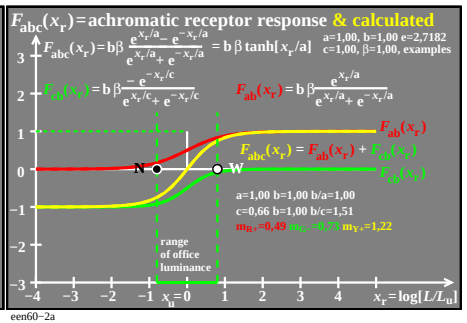
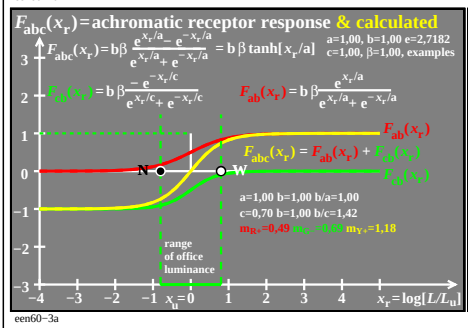
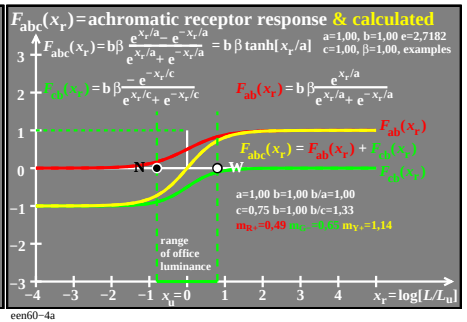
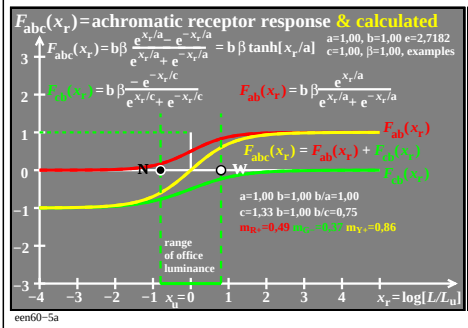
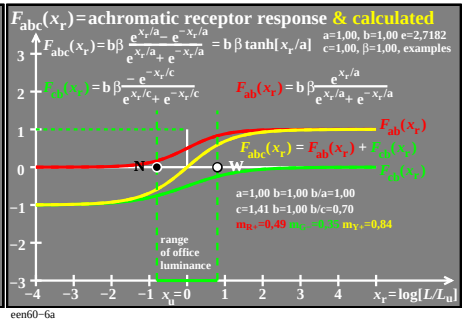

$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=1,00 b=1,00 b/c=1,00
m_{R+}=0,49 m_{G-}=0,49 m_{Y+}=0,98
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−1a

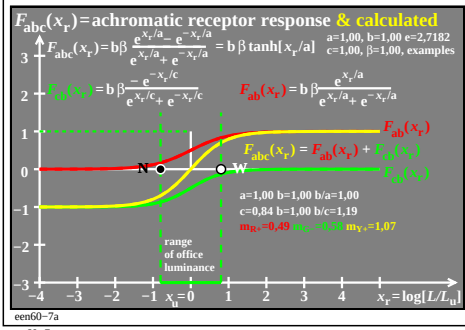

$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=0,66 b=1,00 b/c=1,51
m_{R+}=0,49 m_{G-}=0,73 m_{Y+}=1,22
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−2a

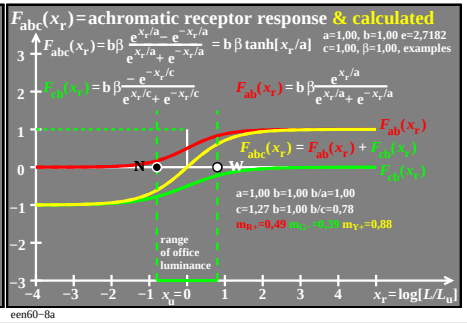

$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=0,70 b=1,00 b/c=1,42
m_{R+}=0,49 m_{G-}=0,68 m_{Y+}=1,18
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−3a


$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=0,75 b=1,00 b/c=1,33
m_{R+}=0,49 m_{G-}=0,65 m_{Y+}=1,14
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−4a


$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=1,33 b=1,00 b/c=0,75
m_{R+}=0,49 m_{G-}=0,57 m_{Y+}=0,86
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−5a


$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=1,41 b=1,00 b/c=0,70
m_{R+}=0,49 m_{G-}=0,70 m_{Y+}=0,84
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−6a


$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=0,84 b=1,00 b/c=1,19
m_{R+}=0,49 m_{G-}=0,58 m_{Y+}=1,07
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−7a
een60−7n


$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{dc}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{dc}(x_r)$
$F_{dc}(x_r)$
N
W
a=1,00 b=1,00 b/a=1,00
c=1,27 b=1,00 b/c=0,78
m_{R+}=0,49 m_{G-}=0,70 m_{Y+}=0,88
range of office luminance
$x_u = 0$
$x_r = \log[L/L_u]$
een60−8a