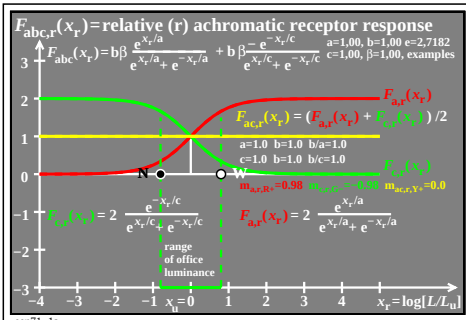
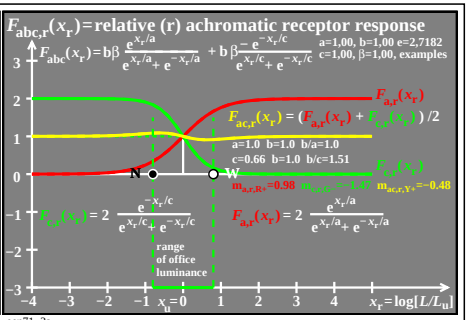
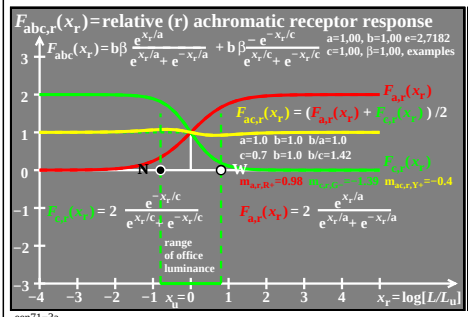
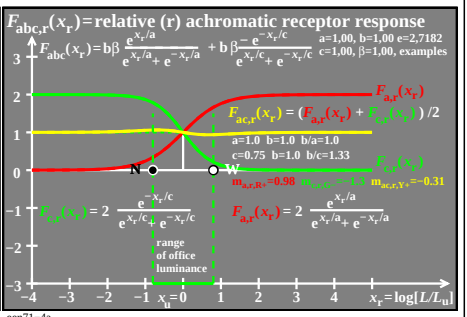
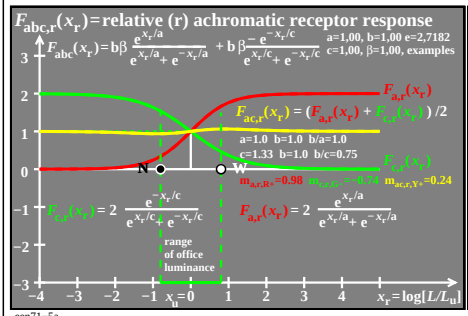
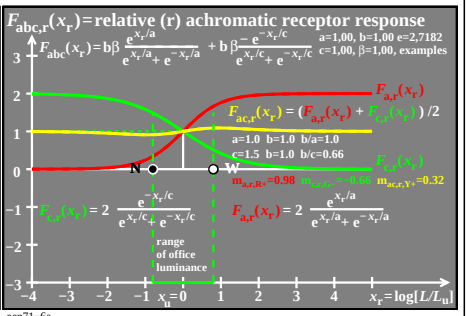

$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=1.0 b=1.0 b/a=1.0
c=1.0 b=1.0 b/c=1.0
$F_{c,r}(x_r)$
$m_{a,r,R}$=0.98 $m_{ac,r,Y}$=0.98 $m_{ac,r,Y+}$=0.0
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−1a

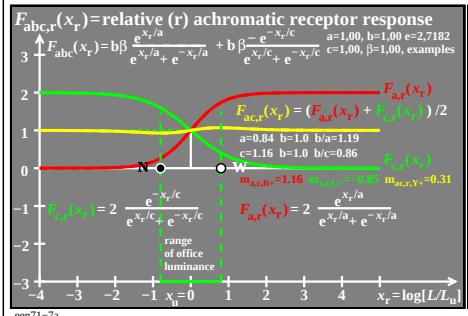

$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=1.0 b=1.0 b/a=1.0
c=0.66 b=1.0 b/c=1.51
$F_{c,r}(x_r)$
$m_{a,r,R}$=0.98 $m_{ac,r,Y}$=1.47 $m_{ac,r,Y+}$=−0.48
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−2a

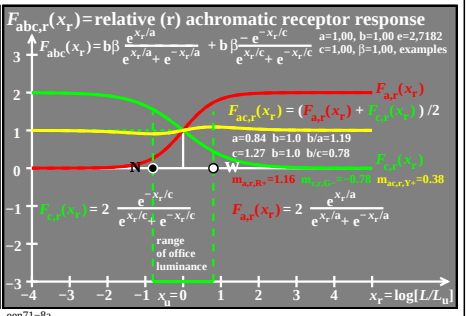

$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=1.0 b=1.0 b/a=1.0
c=0.7 b=1.0 b/c=1.42
$F_{c,r}(x_r)$
$m_{a,r,R}$=0.98 $m_{ac,r,Y}$=1.38 $m_{ac,r,Y+}$=−0.4
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−3a


$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=1.0 b=1.0 b/a=1.0
c=0.75 b=1.0 b/c=1.33
$F_{c,r}(x_r)$
$m_{a,r,R}$=0.98 $m_{ac,r,Y}$=1.3 $m_{ac,r,Y+}$=−0.31
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−4a


$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=1.0 b=1.0 b/a=1.0
c=1.33 b=1.0 b/c=0.75
$F_{c,r}(x_r)$
$m_{a,r,R}$=0.98 $m_{ac,r,Y}$=0.74 $m_{ac,r,Y+}$=0.24
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−5a


$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=1.0 b=1.0 b/a=1.0
c=1.5 b=1.0 b/c=0.66
$F_{c,r}(x_r)$
$m_{a,r,R}$=0.98 $m_{ac,r,Y}$=0.68 $m_{ac,r,Y+}$=0.32
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−6a


$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=0.84 b=1.0 b/a=1.19
c=1.16 b=1.0 b/c=0.86
$F_{c,r}(x_r)$
$m_{a,r,R}$=1.16 $m_{ac,r,Y}$=0.85 $m_{ac,r,Y+}$=0.31
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−7a


$F_{abc,r}(x_r)$=relative (r) achromatic receptor response
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}} + b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{a,r}(x_r)$
$F_{ac,r}(x_r) = (F_{a,r}(x_r) + F_{c,r}(x_r))/2$
a=0.84 b=1.0 b/a=1.19
c=1.27 b=1.0 b/c=0.78
$F_{c,r}(x_r)$
$m_{a,r,R}$=1.16 $m_{ac,r,Y}$=0.78 $m_{ac,r,Y+}$=0.38
$F_{c,r}(x_r) = 2\frac{e^{-x_r/c}}{e^{x_r/c}+e^{-x_r/c}}$
$F_{a,r}(x_r) = 2\frac{e^{x_r/a}}{e^{x_r/a}+e^{-x_r/a}}$
range of office luminance
N
W
x_u=0
x_r=log[L/L_u]
een71−8a

een71−7n