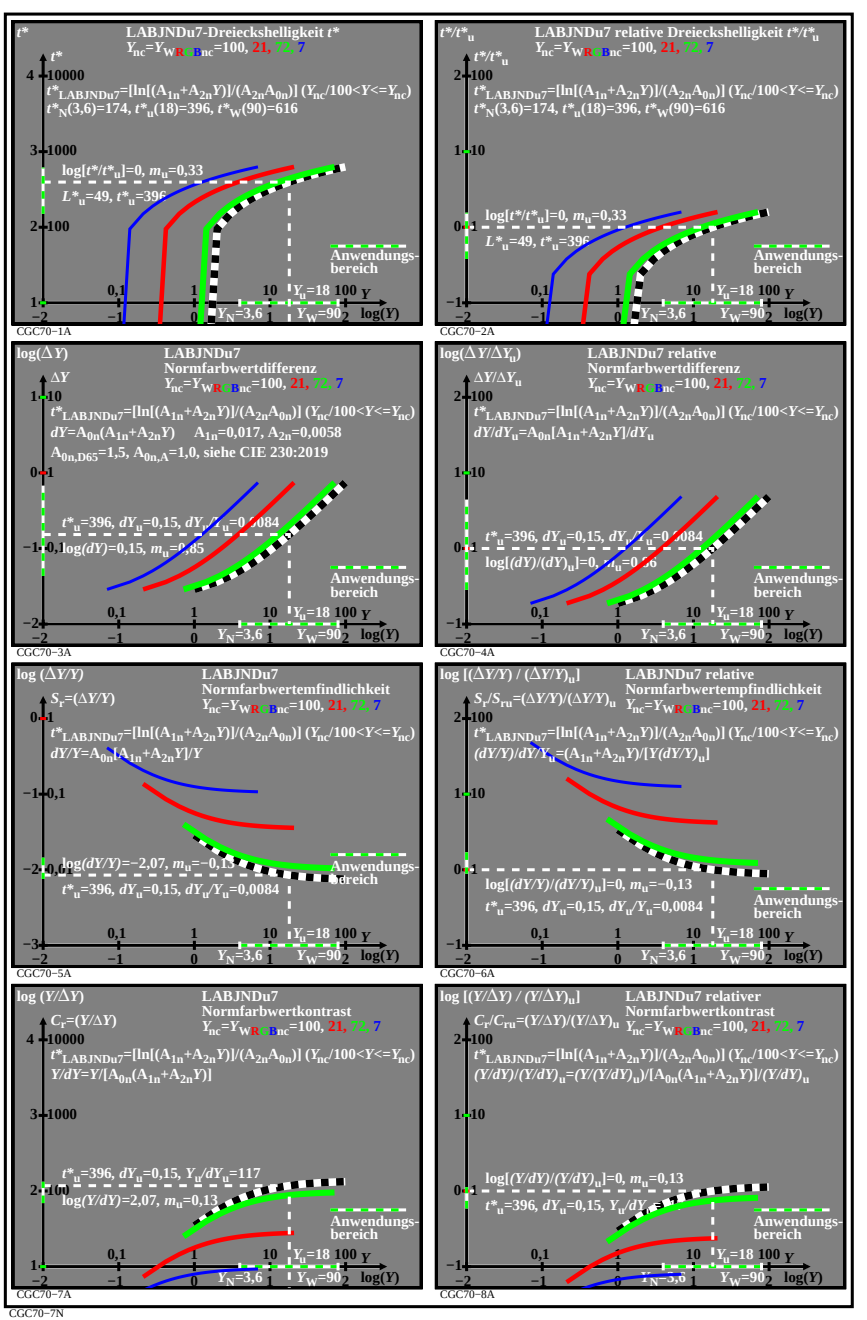
t*
LABJNDu7-Dreieckshelligkeit t*
Ync=YWRGBnc=100, 21, 72, 7
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
t*N(3,6)=174, t*u(18)=396, t*W(90)=616
log[t*/t*u]=0, mu=0,33
L*u=49, t*u=396
Anwendungs-bereich
Yu=18 100 Y
YN=3,6 1
YW=90 2 log(Y)
CGC70-1A
t*/t*u
LABJNDu7 relative Dreieckshelligkeit t*/t*u
Ync=YWRGBnc=100, 21, 72, 7
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
t*N(3,6)=174, t*u(18)=396, t*W(90)=616
log[t*/t*u]=0, mu=0,33
L*u=49, t*u=396
Anwendungs-bereich
CGC70-2A
log(ΔY)
LABJNDu7
Normfarbwertdifferenz
Ync=YWRGBnc=100, 21, 72, 7
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
dY=A0n(A1n+A2nY) A1n=0,017, A2n=0,0058
A0n,D65=1,5, A0n,A=1,0, siehe CIE 230:2019
t*u=396, dYu=0,15, dYu/Yu=0,0084
log(dY)=0,15, mu=0,65
Anwendungs-bereich
CGC70-3A
log(ΔY/ΔYu)
LABJNDu7 relative
Normfarbwertdifferenz
Ync=YWRGBnc=100, 21, 72, 7
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
dY/dYu=A0n[A1n+A2nY]/dYu
t*u=396, dYu=0,15, dYu/Yu=0,0084
log[(dY)/(dY)u]=0, mu=0,36
Anwendungs-bereich
CGC70-4A
log (ΔY/Y)
LABJNDu7
Normfarbwertemfindlichkeit
Ync=YWRGBnc=100, 21, 72, 7
Sr=(ΔY/Y)
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
dY/Y=A0n[A1n+A2nY]/Y
log(dY/Y)=-2,07, mu=-0,13
t*u=396, dYu=0,15, dYu/Yu=0,0084
Anwendungs-bereich
CGC70-5A
log [(ΔY/Y) / (ΔY/Y)u]
LABJNDu7 relative
Normfarbwertempfindlichkeit
Ync=YWRGBnc=100, 21, 72, 7
Sr/Sru=(ΔY/Y)/(ΔY/Y)u
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
(dY/Y)/dY/Yu=(A1n+A2nY)/[Y(dY/Y)u]
log[(dY/Y)/(dY/Y)u]=0, mu=-0,13
t*u=396, dYu=0,15, dYu/Yu=0,0084
Anwendungs-bereich
CGC70-6A
log (Y/ΔY)
LABJNDu7
Normfarbwertkontrast
Ync=YWRGBnc=100, 21, 72, 7
Cr=(Y/ΔY)
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
Y/dY=Y/[A0n(A1n+A2nY)]
t*u=396, dYu=0,15, Yu/dYu=117
log(Y/dY)=2,07, mu=0,13
Anwendungs-bereich
CGC70-7A
log [(Y/ΔY) / (Y/ΔY)u]
LABJNDu7 relativer
Normfarbwertkontrast
Ync=YWRGBnc=100, 21, 72, 7
Cr/Cru=(Y/ΔY)/(Y/ΔY)u
t*LABJNDu7=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
(Y/dY)/(Y/dY)u=(Y/(Y/dY)u)/[A0n(A1n+A2nY)]/(Y/dY)u
log[(Y/dY)/(Y/dY)u]=0, mu=0,13
t*u=396, dYu=0,15, Yu/dYu=117
Anwendungs-bereich
CGC70-8A
CGC70-7N