Contour plots for selected IMBLEND modes

Keep in mind that most of these modes accept an AMOUNT parameter Adjusting AMOUNT can vary behavior significantly Unless specified otherwise, AMOUNT=1.

'scaleadd', 'scalemult', and 'contrast' modes also vary with image mean

Intensity map overview
R-BG Contrast map overview
R vs BG Meridian map overview
Loci of Neutral response (conditions in which BG remains unchanged)
Soft Light comparisons

Parameter Sweeps

Soft Light eb2 (meridian maps)

Overlay

Flat Light

Mean Light

Soft Mean Light

Super Light

Pin Light

Hard Mix PS

Hard Mix IB

Hard Mix KR

Scale Add

Scale Mult

Contrast

Curves

Color Dodge

Color Burn

Linear Dodge

Linear Burn

Soft Dodge

Soft Burn

Easy Dodge

Easy Burn

Glow

Heat

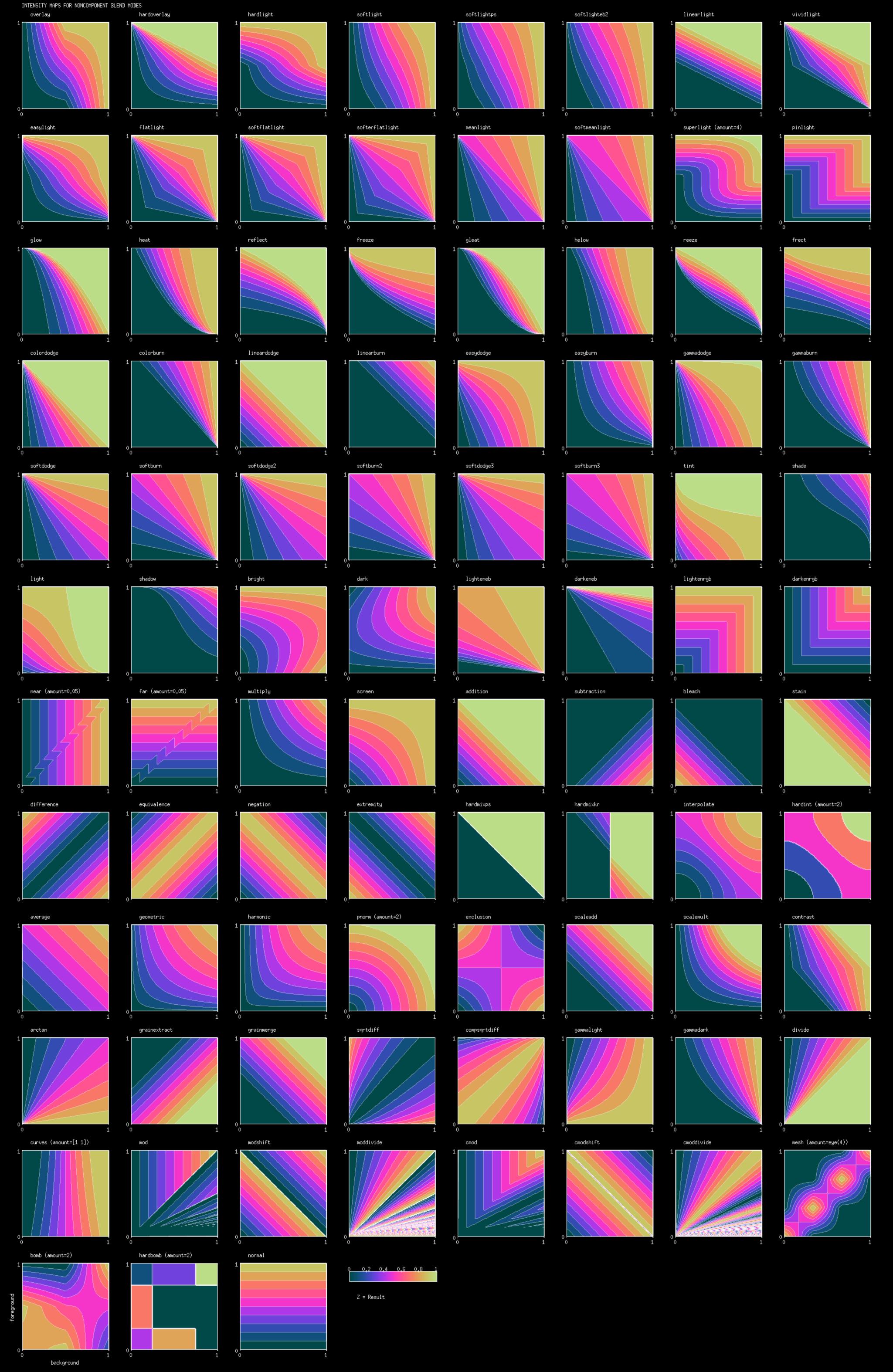
Gleat

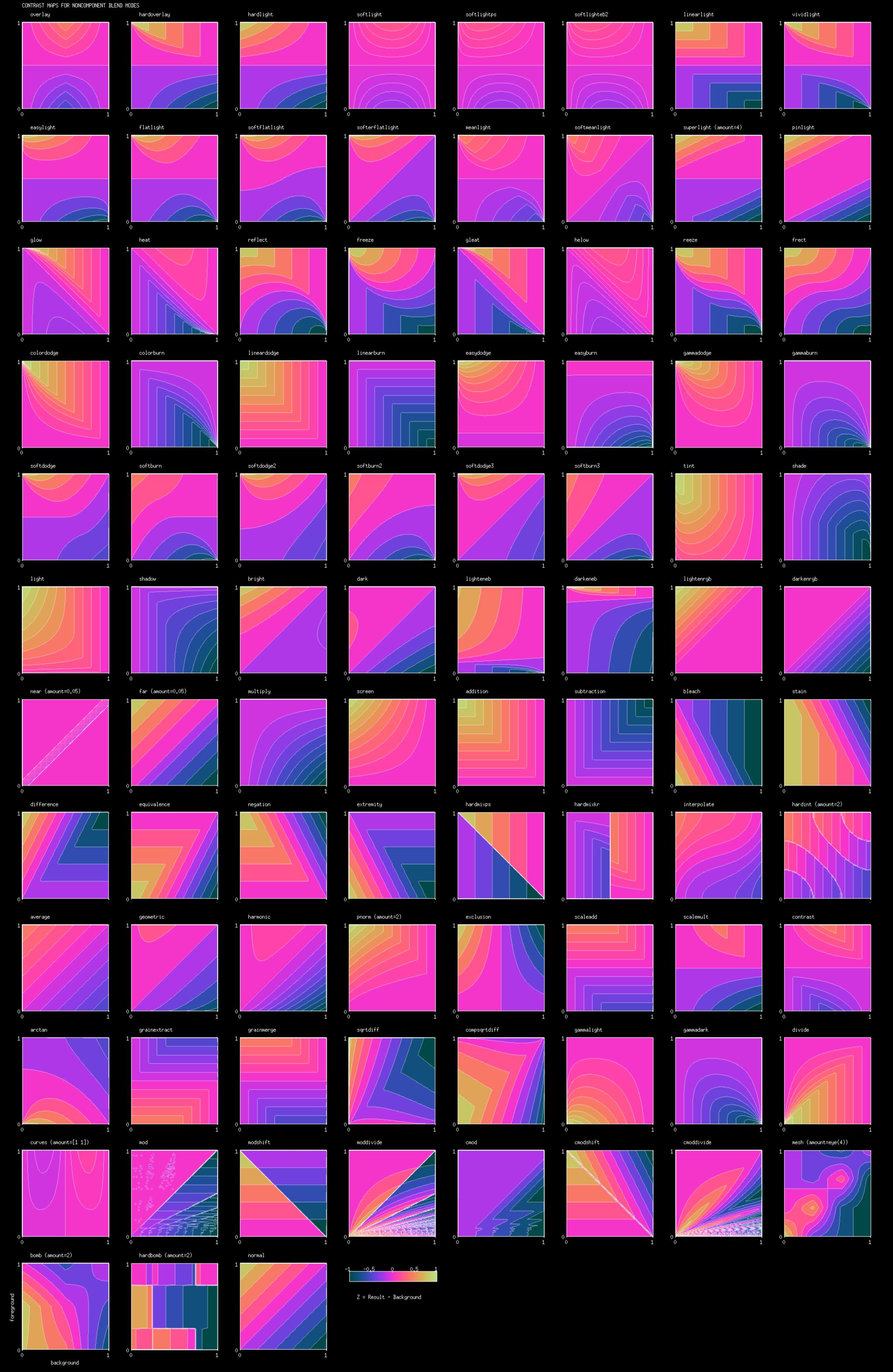
Helow

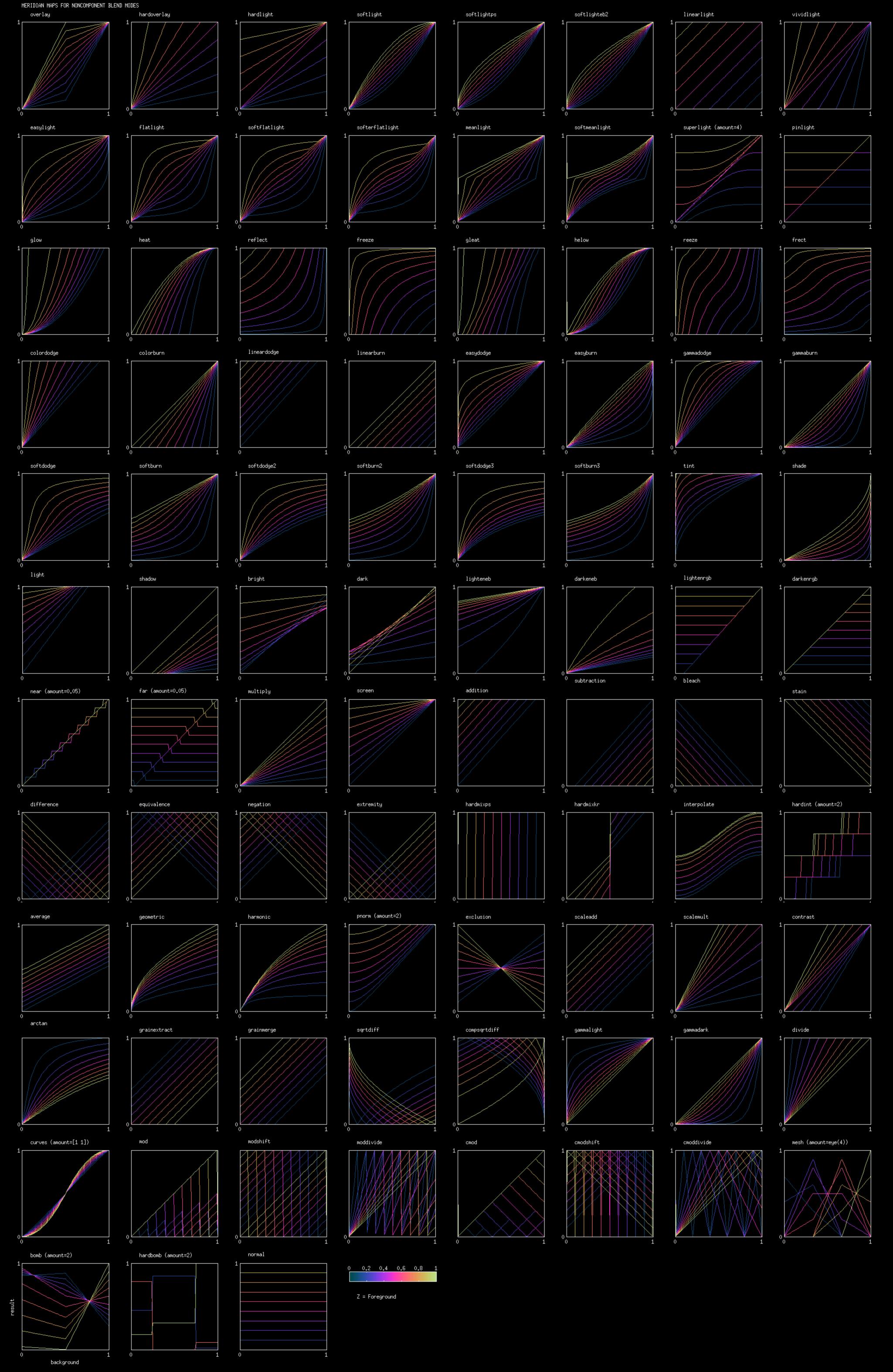
Interpolate

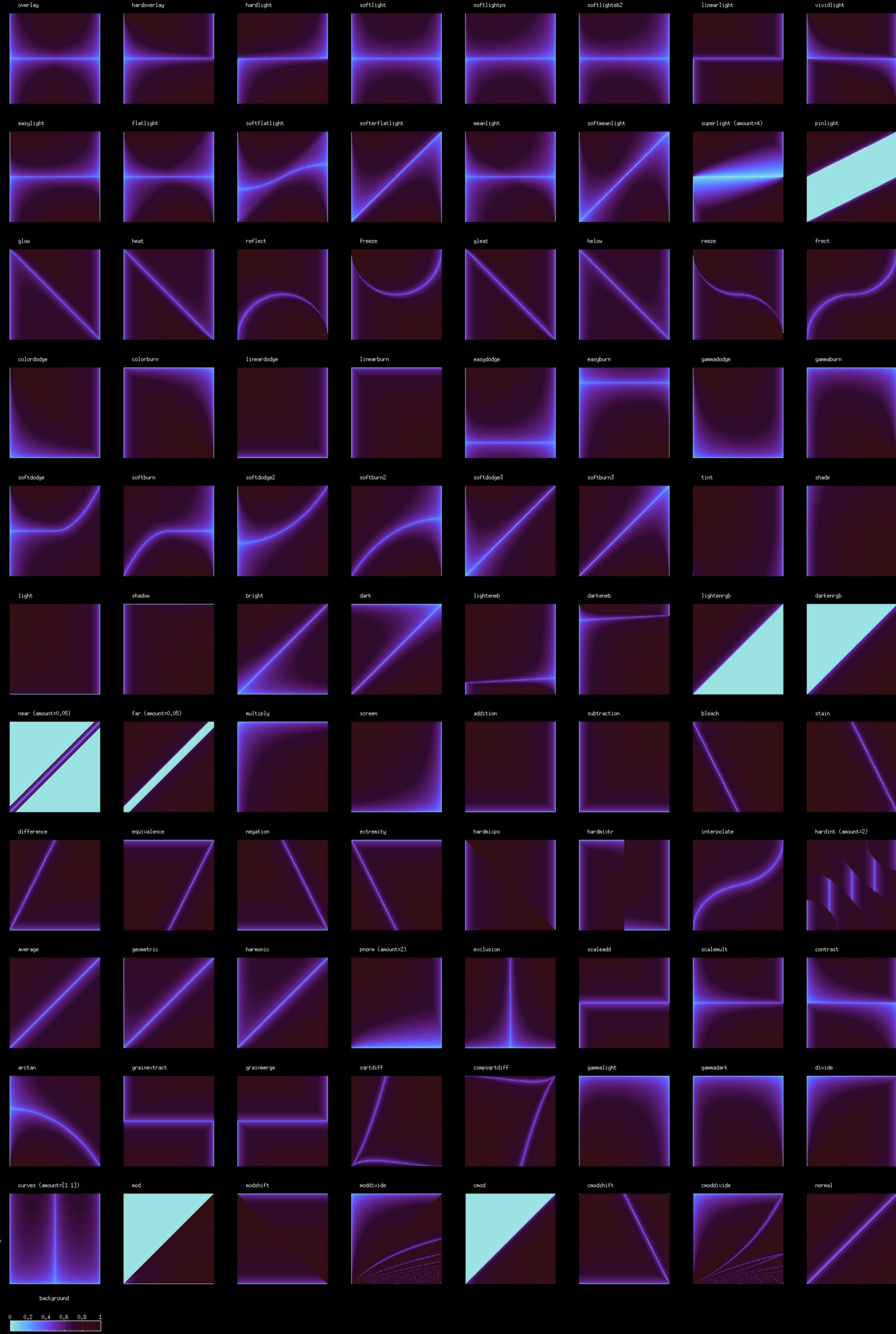
Pnorm

Lighten RGB









Z = Result - Background

LOCI OF NEUTRAL RESPONSE (see contrast plots)

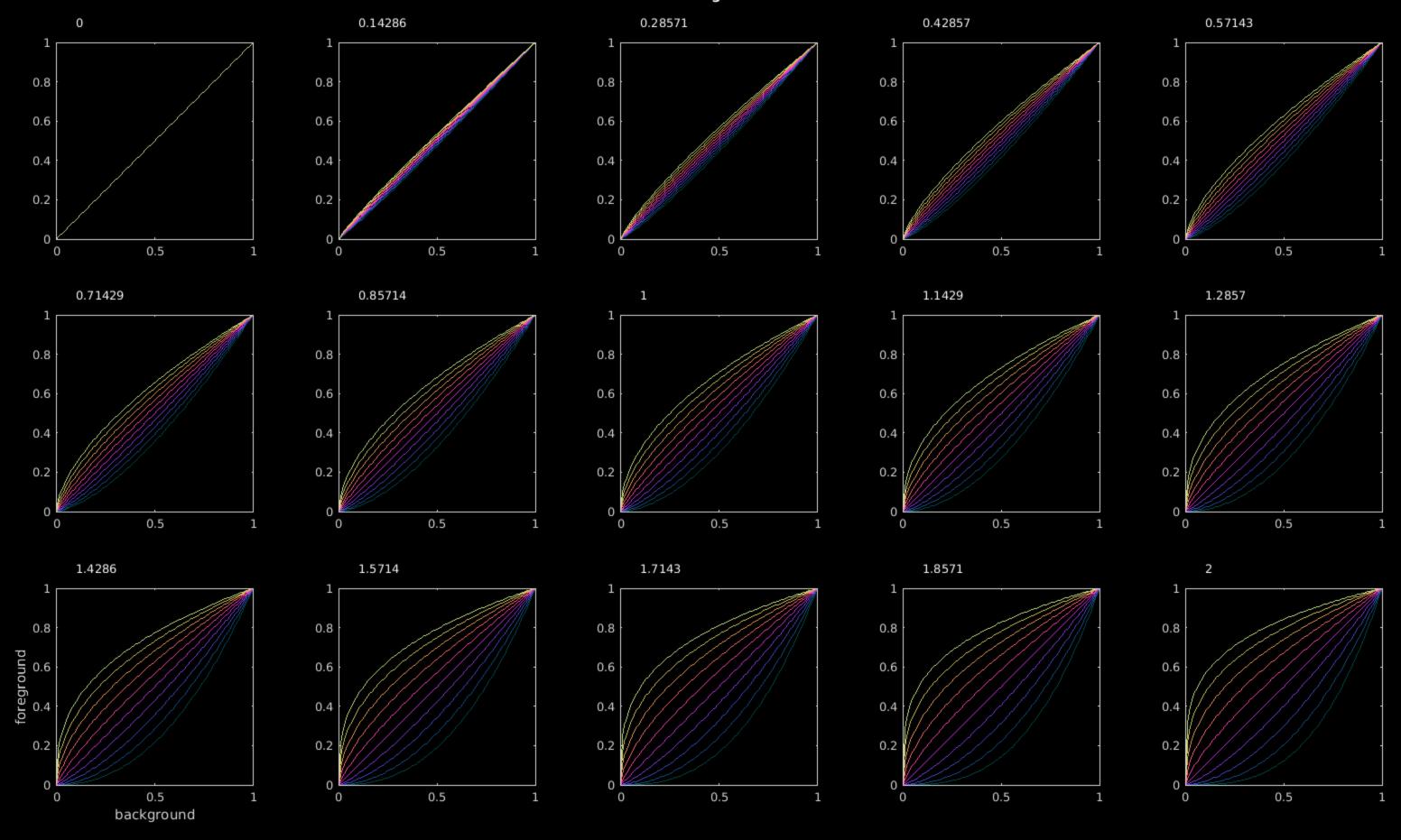
Gradient Angle (R-BG) |Symmetry Error| R vs BG R vs FG Contour Gradient Angle (R) Formulae softlight max(dR/dBG): 1.9900 $R=I.^2 + 2*M.*I.*(1-I);$ relative speed: 12.8806 RMS value err: 0.0268 RMS sym err: 0.0752 softlightps hi=M>0.5; max(dR/dBG): 10.0000 R=(I+(2*M-1).*(sqrt(I)-I)).*hi ... relative speed: 6.9040 + (I-(1-2*M).*I.*(1-I)).*~hi; RMS value err: 0.0068 RMS sym err: 0.0435 m1=M<=0.50;softlightsvg m2=I<=0.25; m3=~m1 & m2; max(dR/dBG): 3.8816 m4=~m1 & ~m2; relative speed: 4.5183 R=(I - (1-2*M).*I.*(1-I)).*m1 ... RMS value err: 0.0079 + (I + (2*M-1).*(4*I.*(4*I + 1).*(I-1) + 7*I)).*m3...RMS sym err: 0.0339 + (I + (2*M-1).*(I.^0.5 - I)).*m4; softlighteb max(dR/dBG): 10.0000 $R=I.^{(M.^2 - 2.5*M + 2)}$; relative speed: 1.8323 RMS value err: 0.0046 RMS sym err: 0.0074 0 softlighteb2 max(dR/dBG): 10.0000 amount=0.5*max(amount,0)+0.5; $R=I.^{((amount*2).^{(amount*(1-2*M)))}}$ relative speed: 1.0000 RMS value err: 0.0000 RMS sym err: 0.0000 FG BG BG BG BG

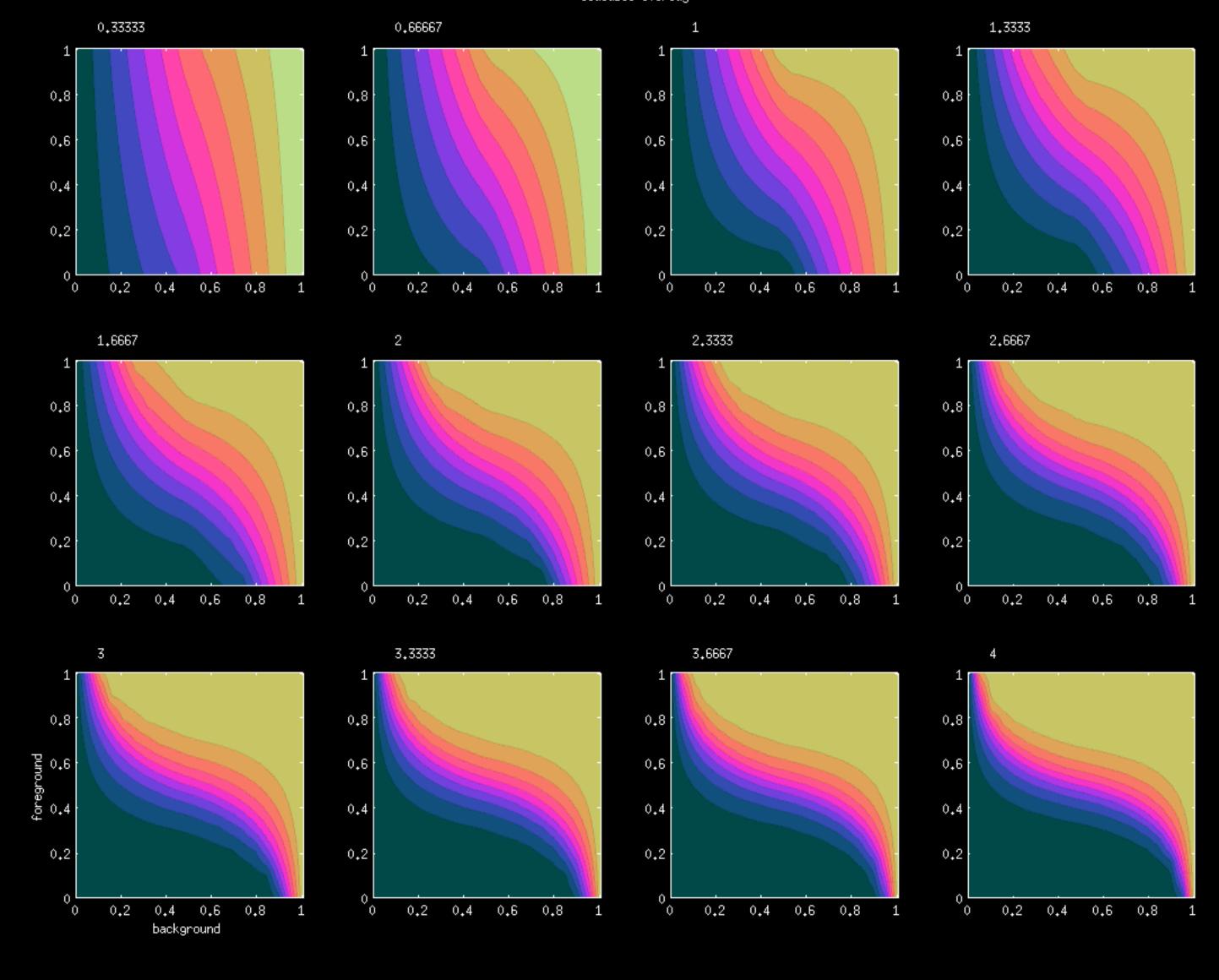
Angle

Angle

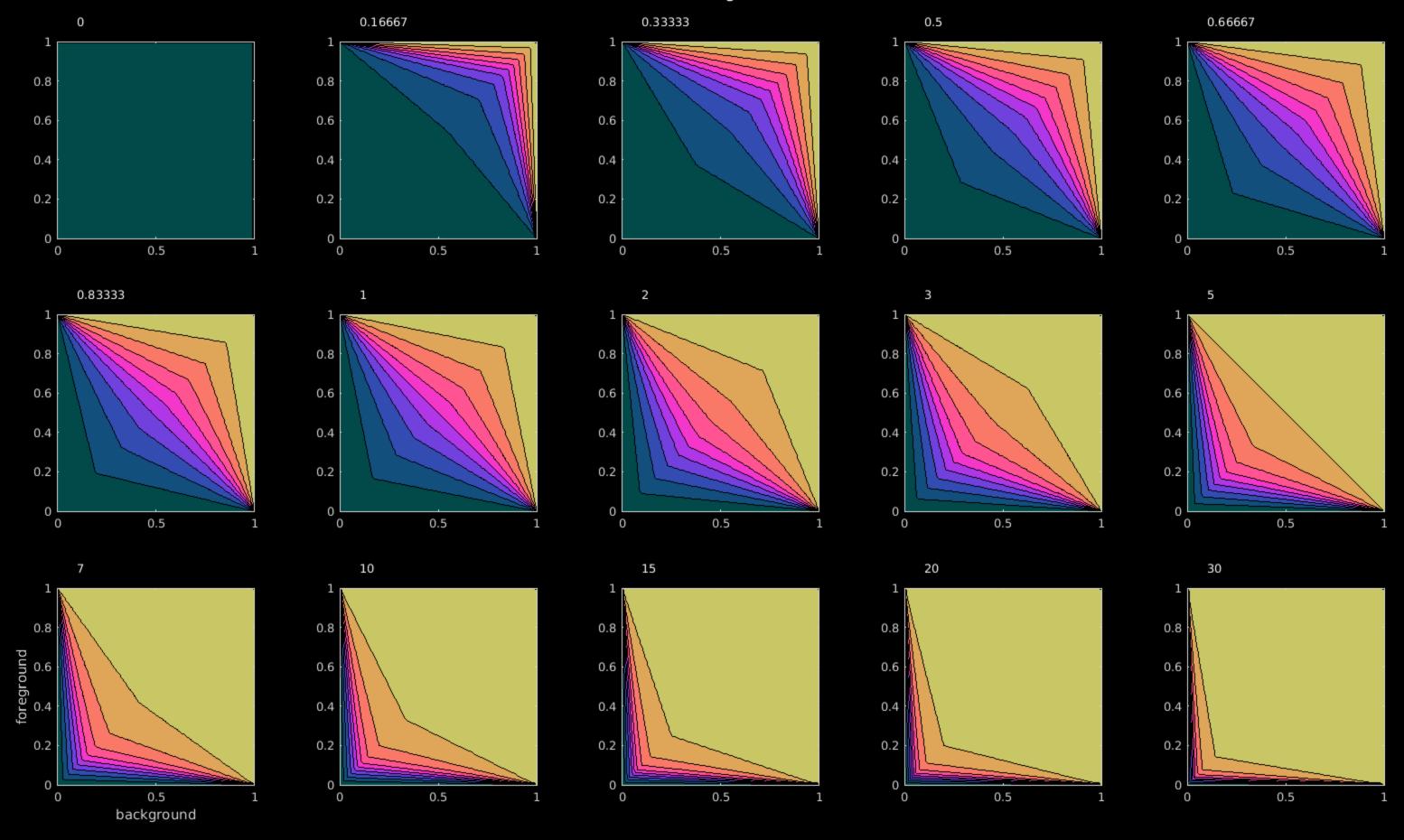
Magnitude 0.25

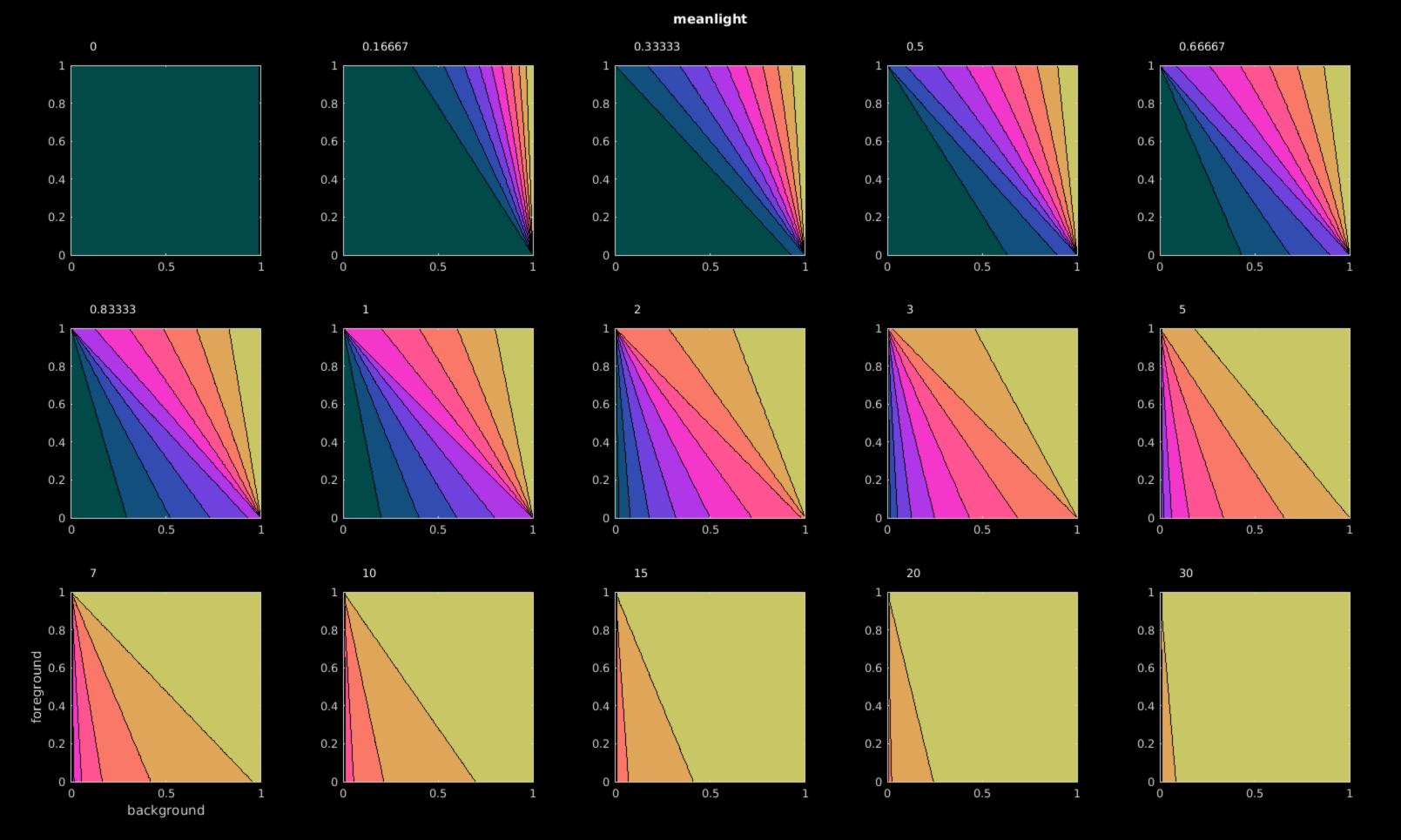
softlighteb2

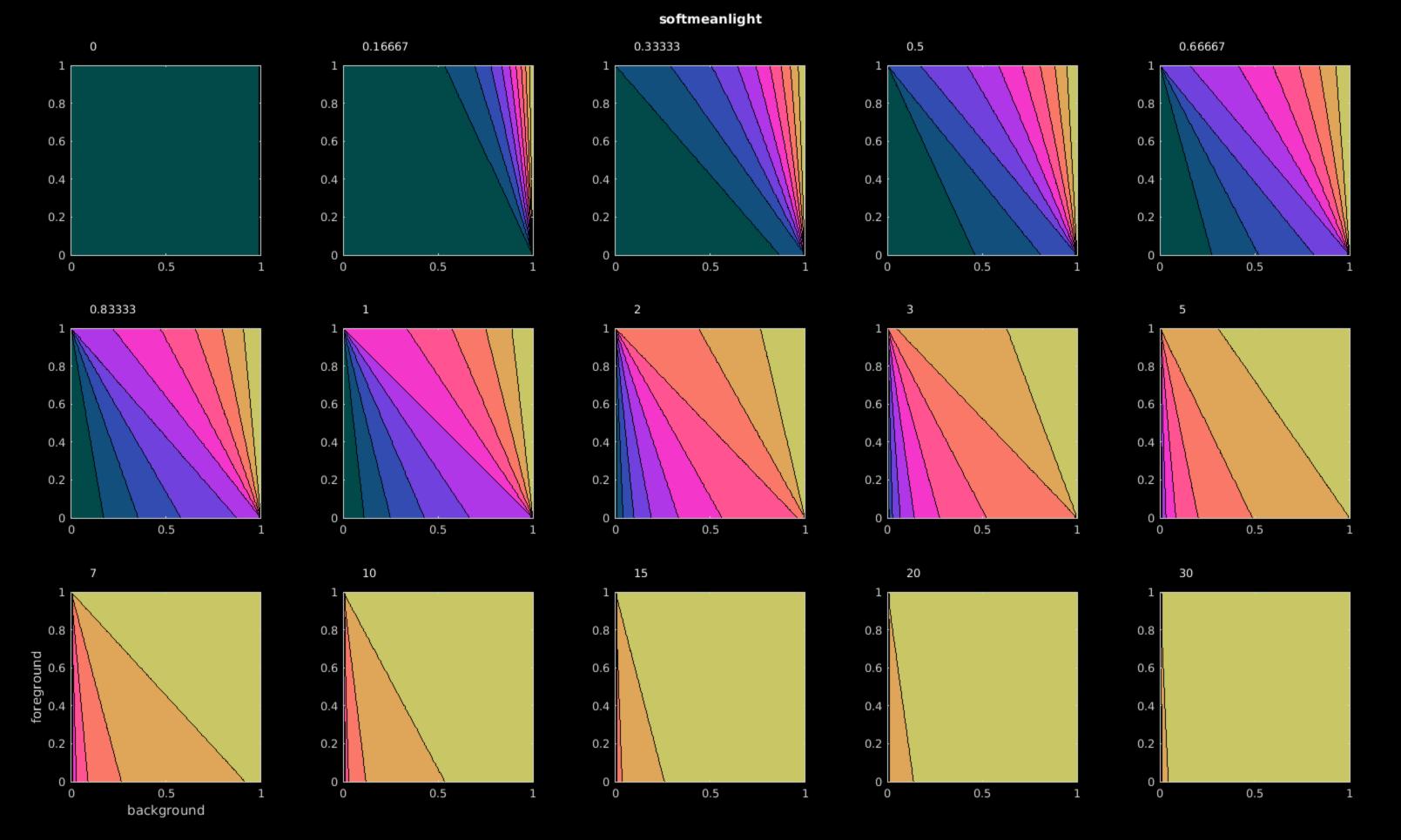


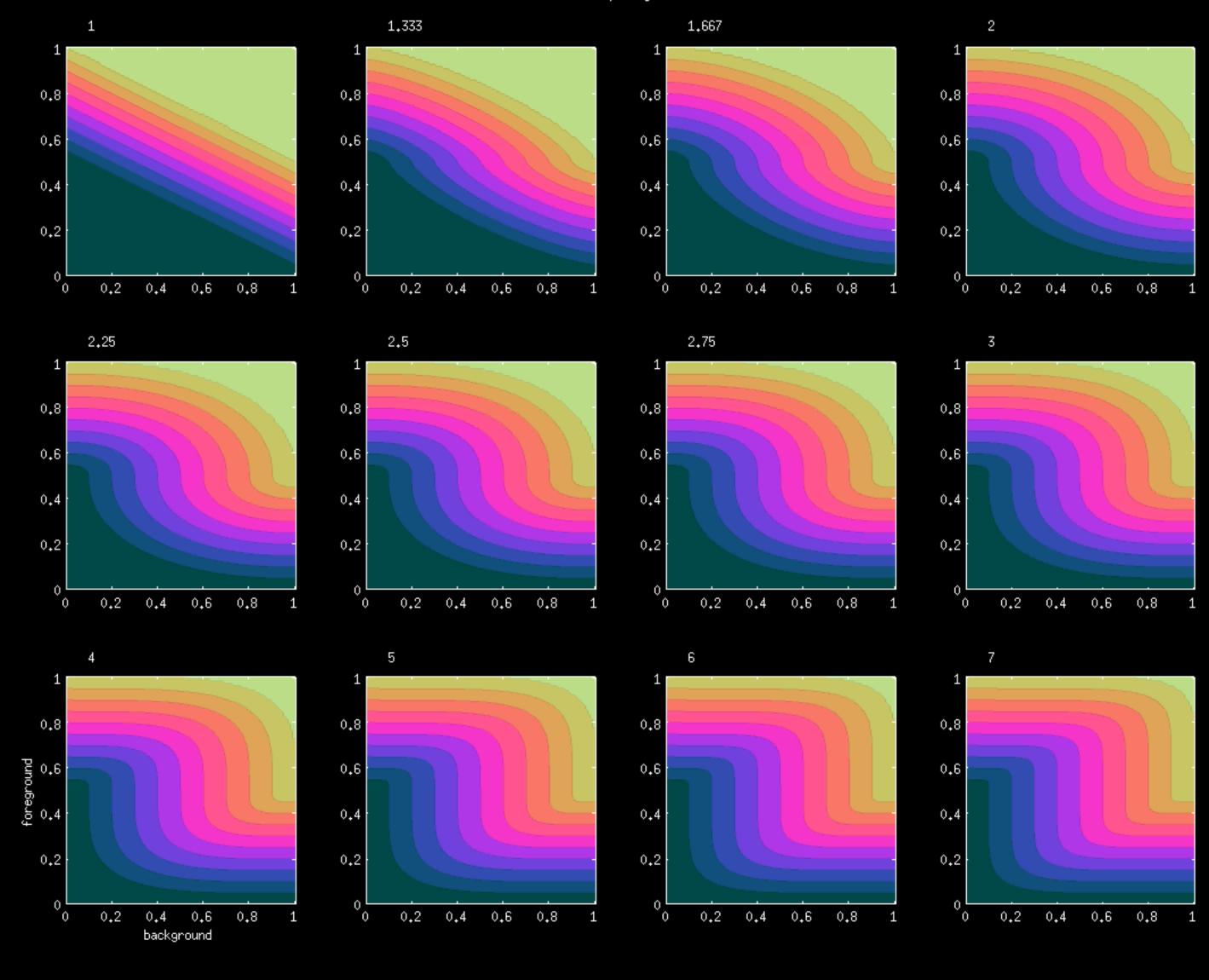


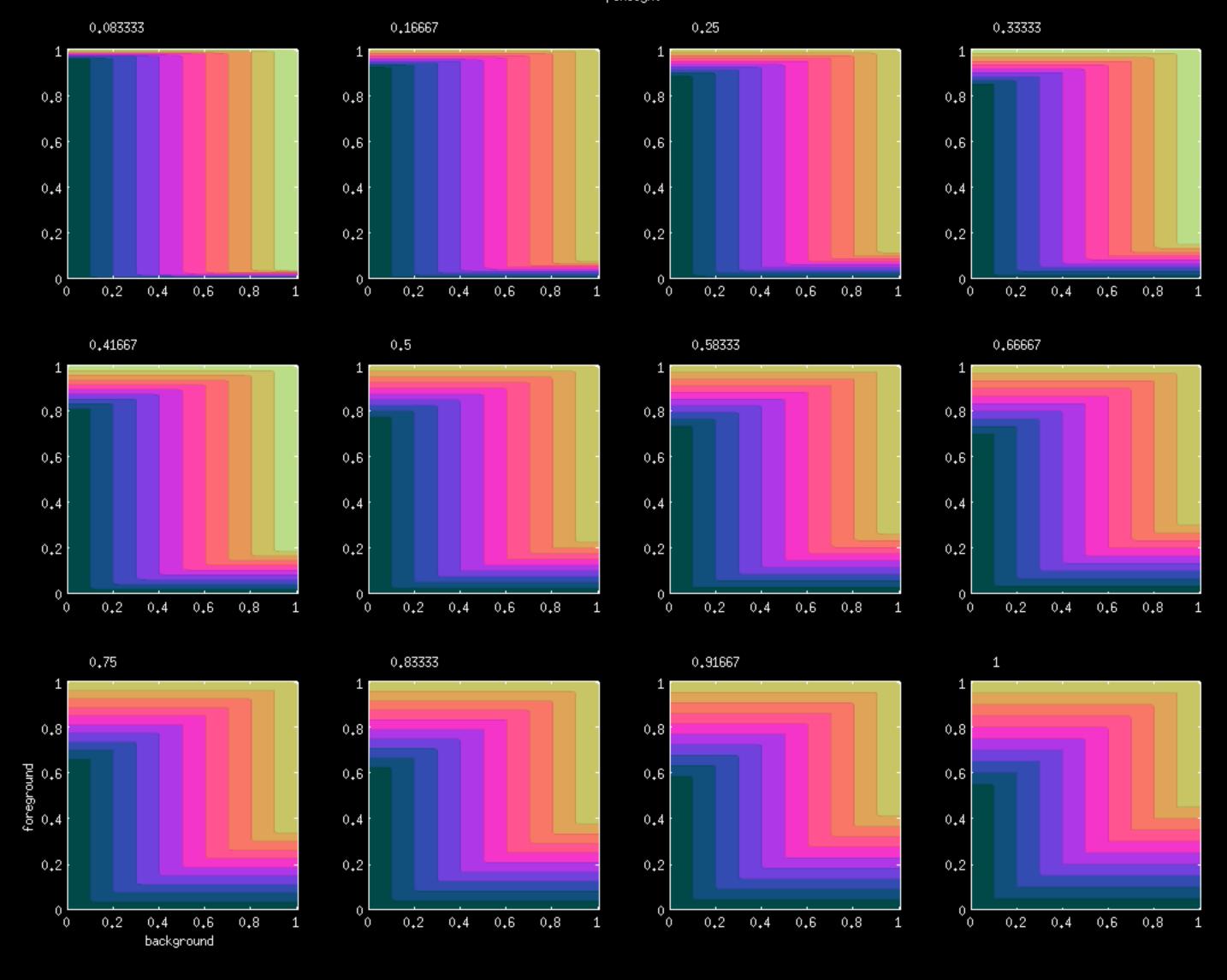
flatlight



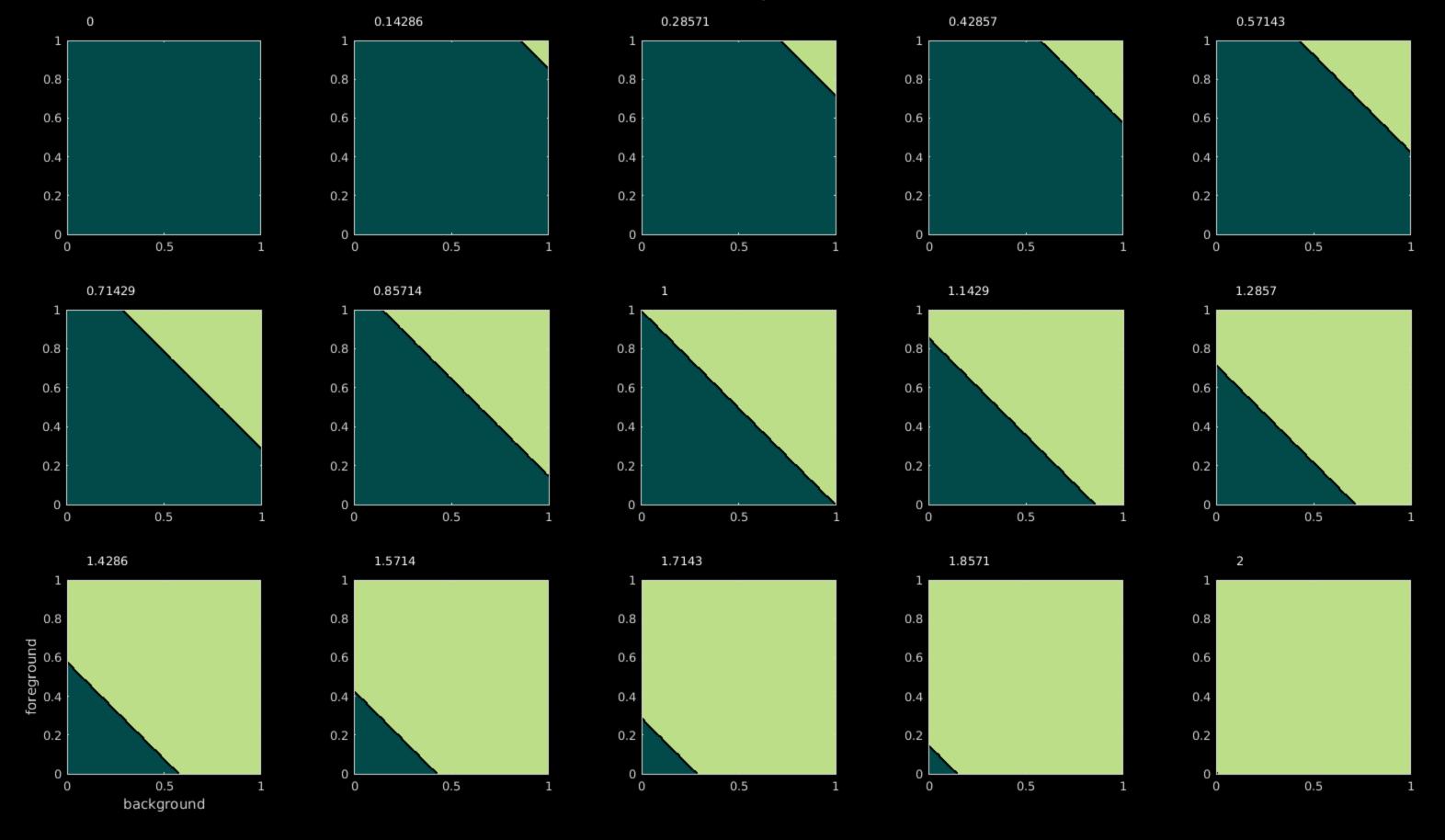


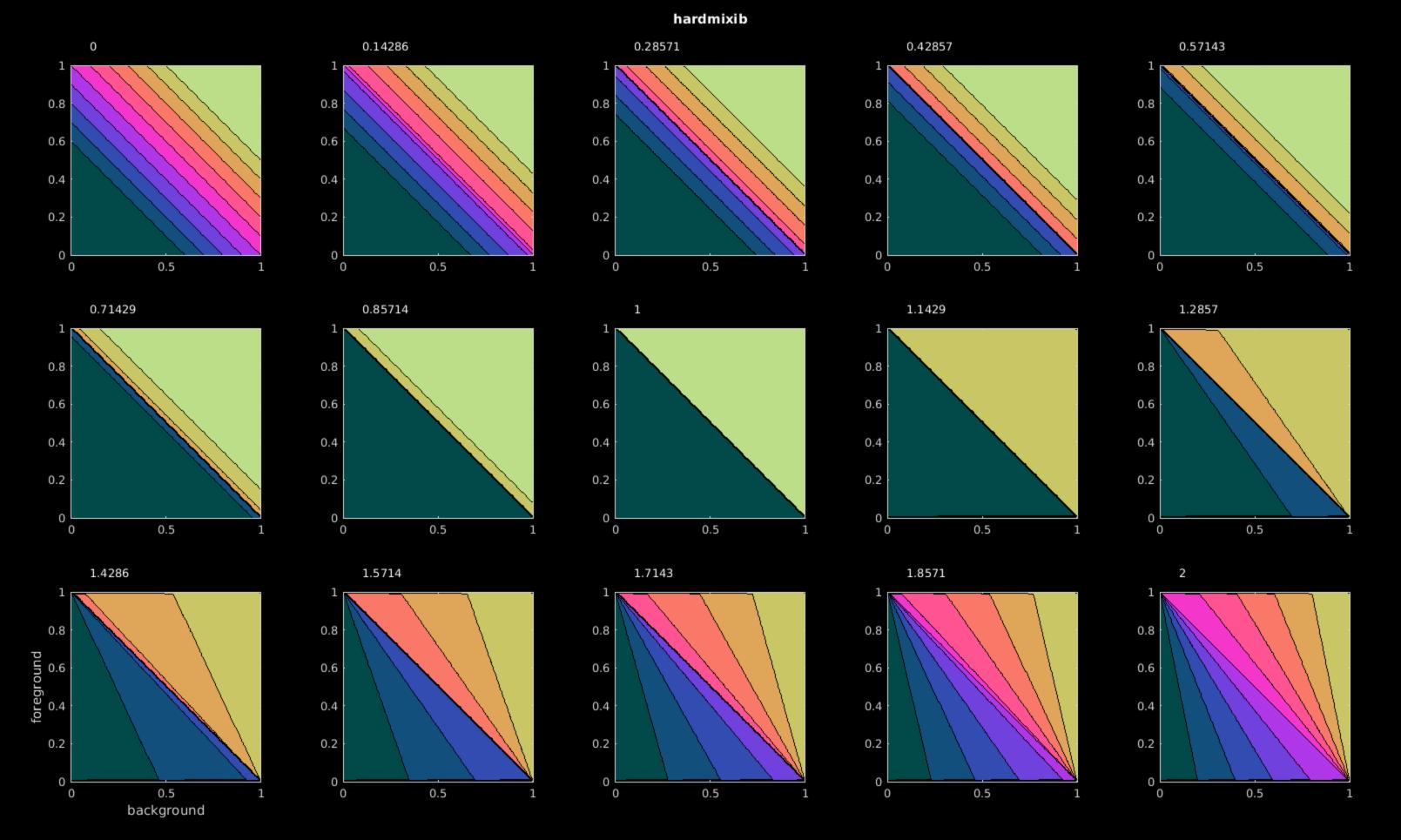






hardmixps





hardmixkr

