

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' also vary with image mean

Intensity map overview

R-BG Contrast map overview

R vs BG Meridian map overview

Soft Light comparisons

Parameter Sweeps

Soft Light eb2

Color Dodge

Color Burn

Linear Dodge

Linear Burn

Soft Dodge

Soft Burn

Easy Dodge

Easy Burn

Glow

Heat

Gleat

Helow

Scale Add

Scale Mult

Contrast

Curves

Hard Mix

Overlay

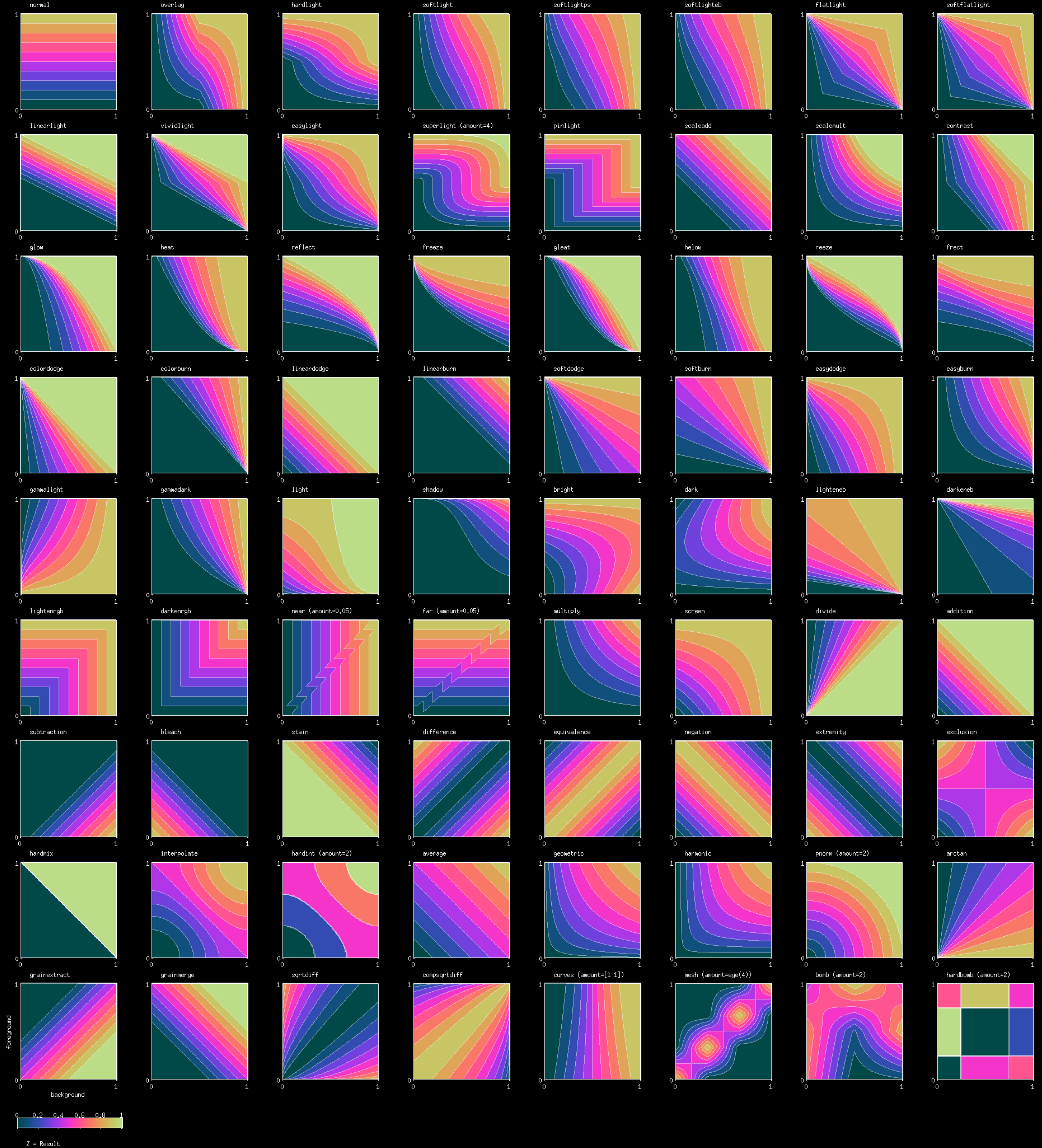
Super Light

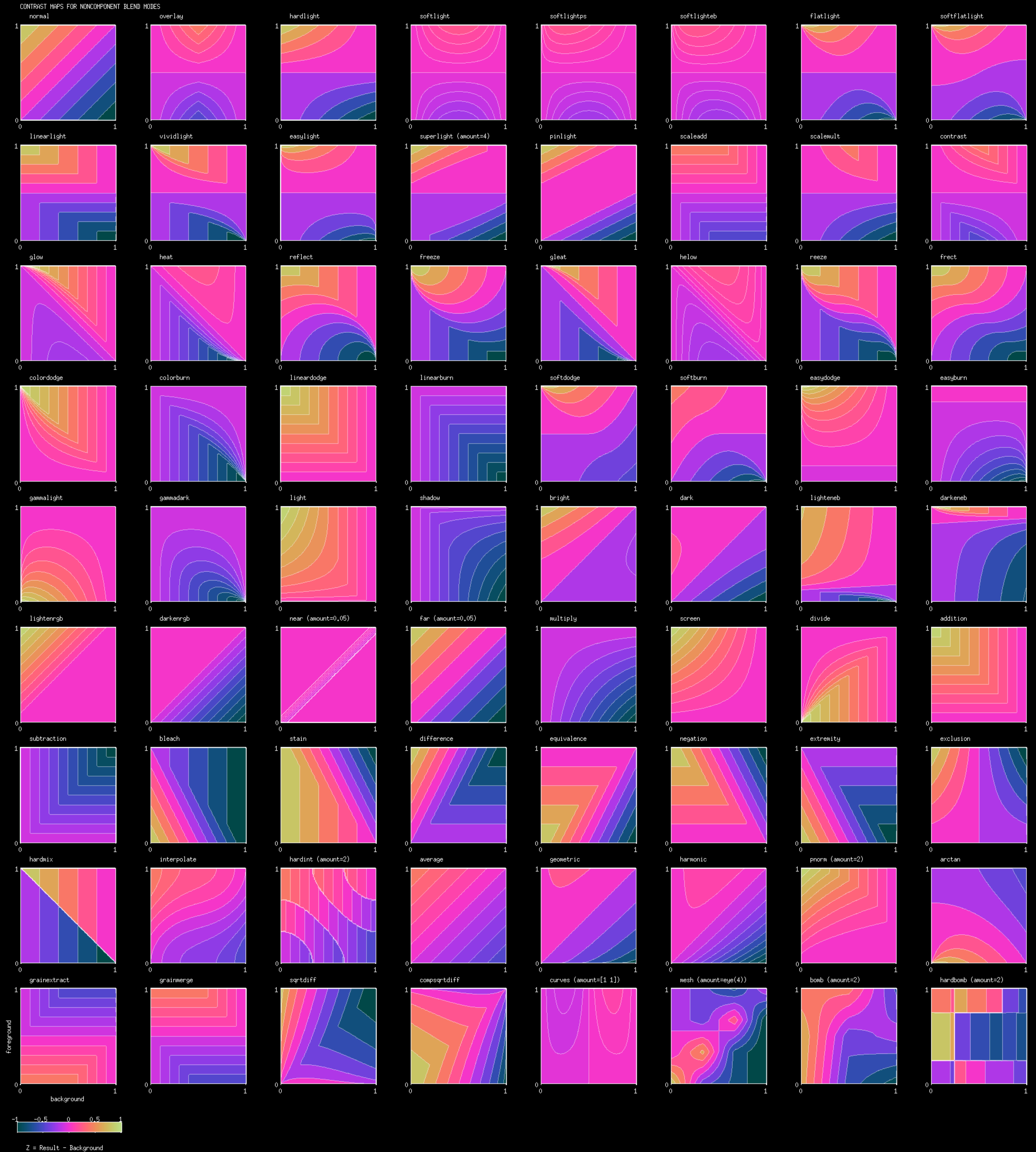
Pin Light

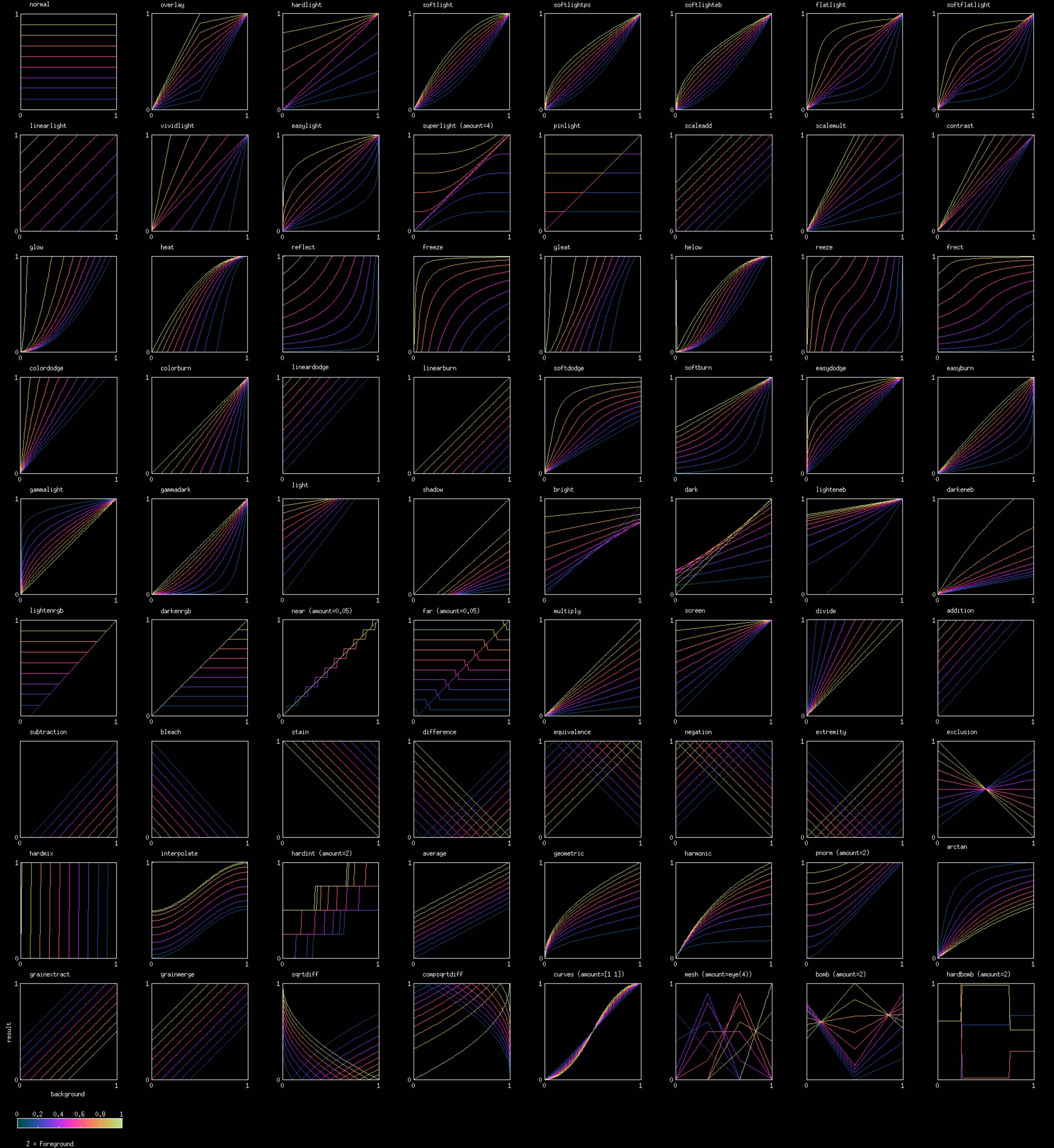
Pnorm

Lighten RGB

INTENSITY MAPS FOR NONCOMPONENT BLEND MODES

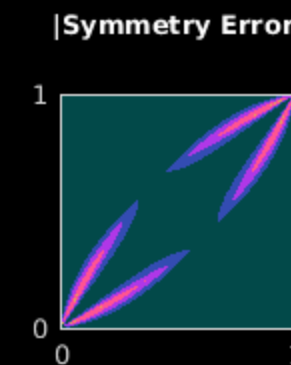
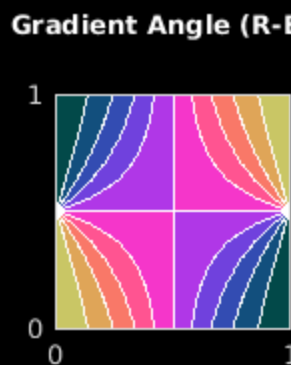
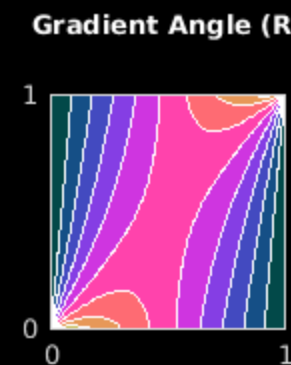
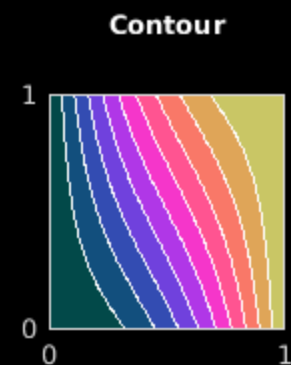
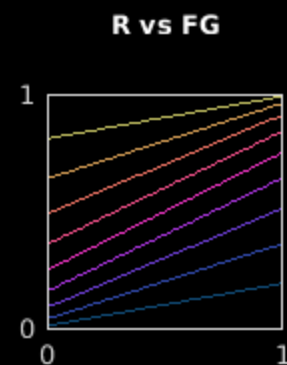
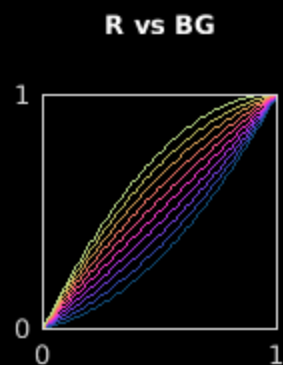






softlight

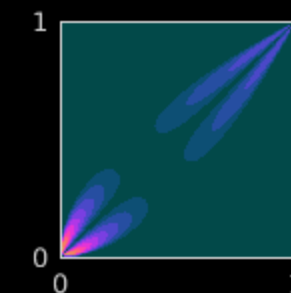
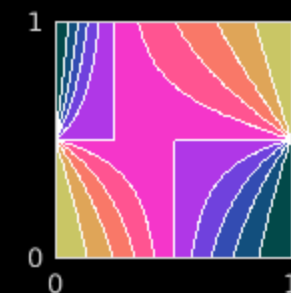
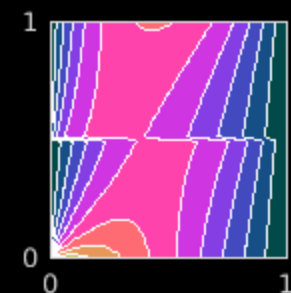
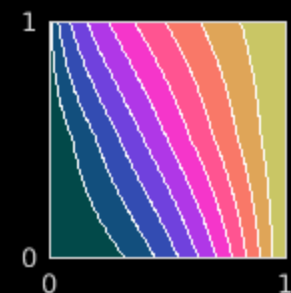
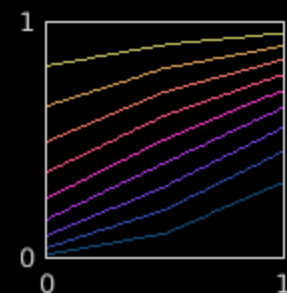
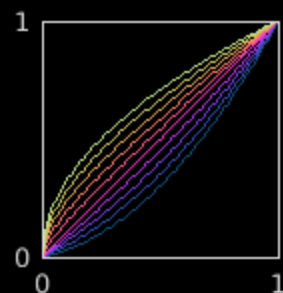
max(dR/dBG): 0.0199
relative speed: 12.8806
RMS value err: 0.0268
RMS sym err: 0.0752



$$R = I.^2 + 2 * M .* I .* (1 - I);$$

softlightps

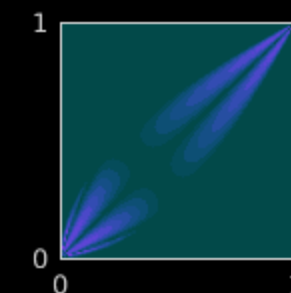
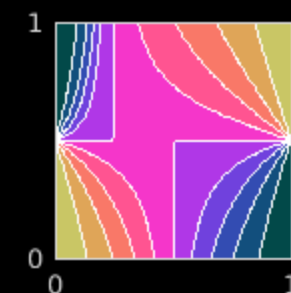
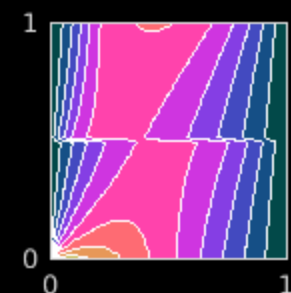
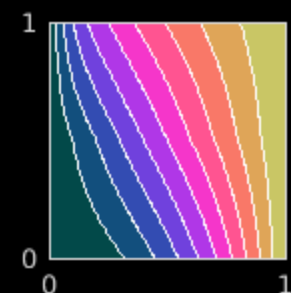
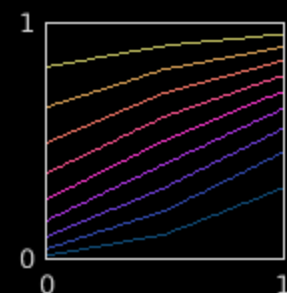
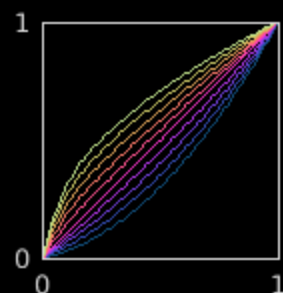
max(dR/dBG): 0.1000
relative speed: 6.9040
RMS value err: 0.0068
RMS sym err: 0.0435



$$\begin{aligned} h_i &= M > 0.5; \\ R &= (I + (2 * M - 1) * (\sqrt{I} - I)) * h_i \dots \\ &+ (I - (1 - 2 * M) * I * (1 - I)) * \sim h_i; \end{aligned}$$

softlightsvg

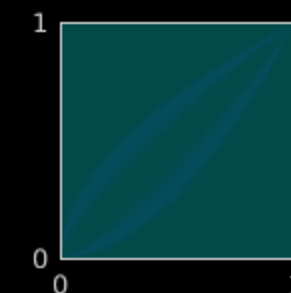
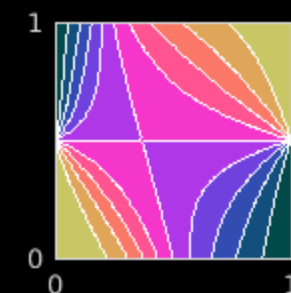
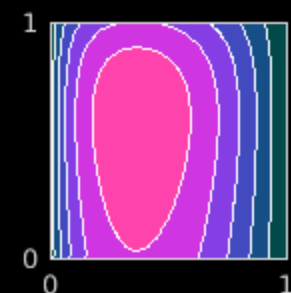
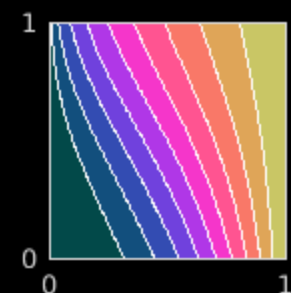
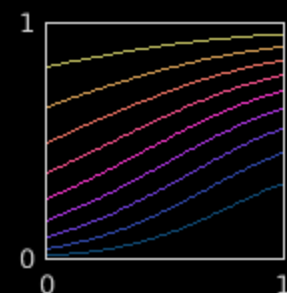
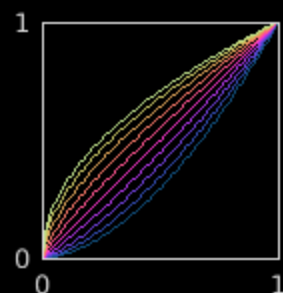
max(dR/dBG): 0.0388
relative speed: 4.5183
RMS value err: 0.0079
RMS sym err: 0.0339



$$\begin{aligned} m1 &= M \leq 0.50; \\ m2 &= I \leq 0.25; \\ m3 &= \sim m1 \ \& \ m2; \\ m4 &= \sim m1 \ \& \ \sim m2; \\ R &= (I - (1 - 2 * M) * I * (1 - I)) * m1 \dots \\ &+ (I + (2 * M - 1) * (4 * I * (4 * I + 1) * (I - 1) + 7 * I)) * m3 \dots \\ &+ (I + (2 * M - 1) * (I.^{0.5} - I)) * m4; \end{aligned}$$

softlighteb

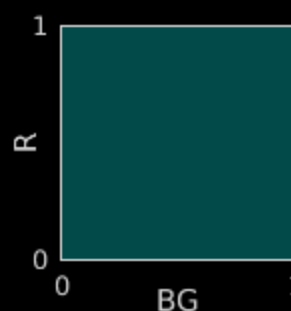
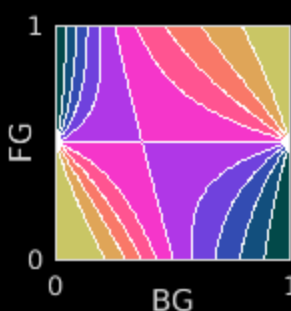
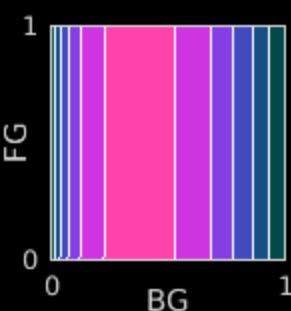
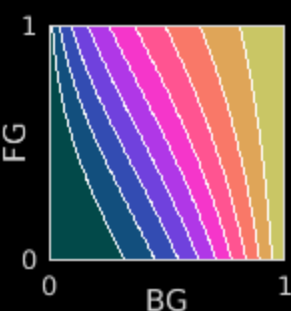
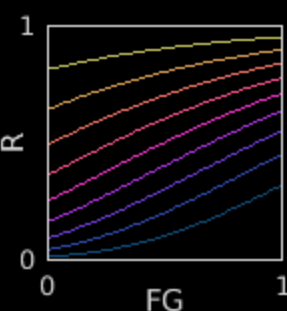
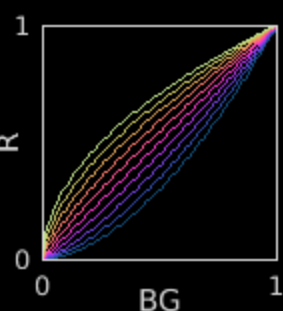
max(dR/dBG): 0.1000
relative speed: 1.8323
RMS value err: 0.0046
RMS sym err: 0.0074



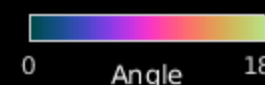
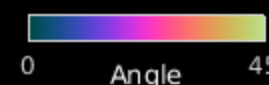
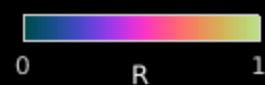
$$R = I.^{(M.^2 - 2.5 * M + 2)};$$

softlighteb2

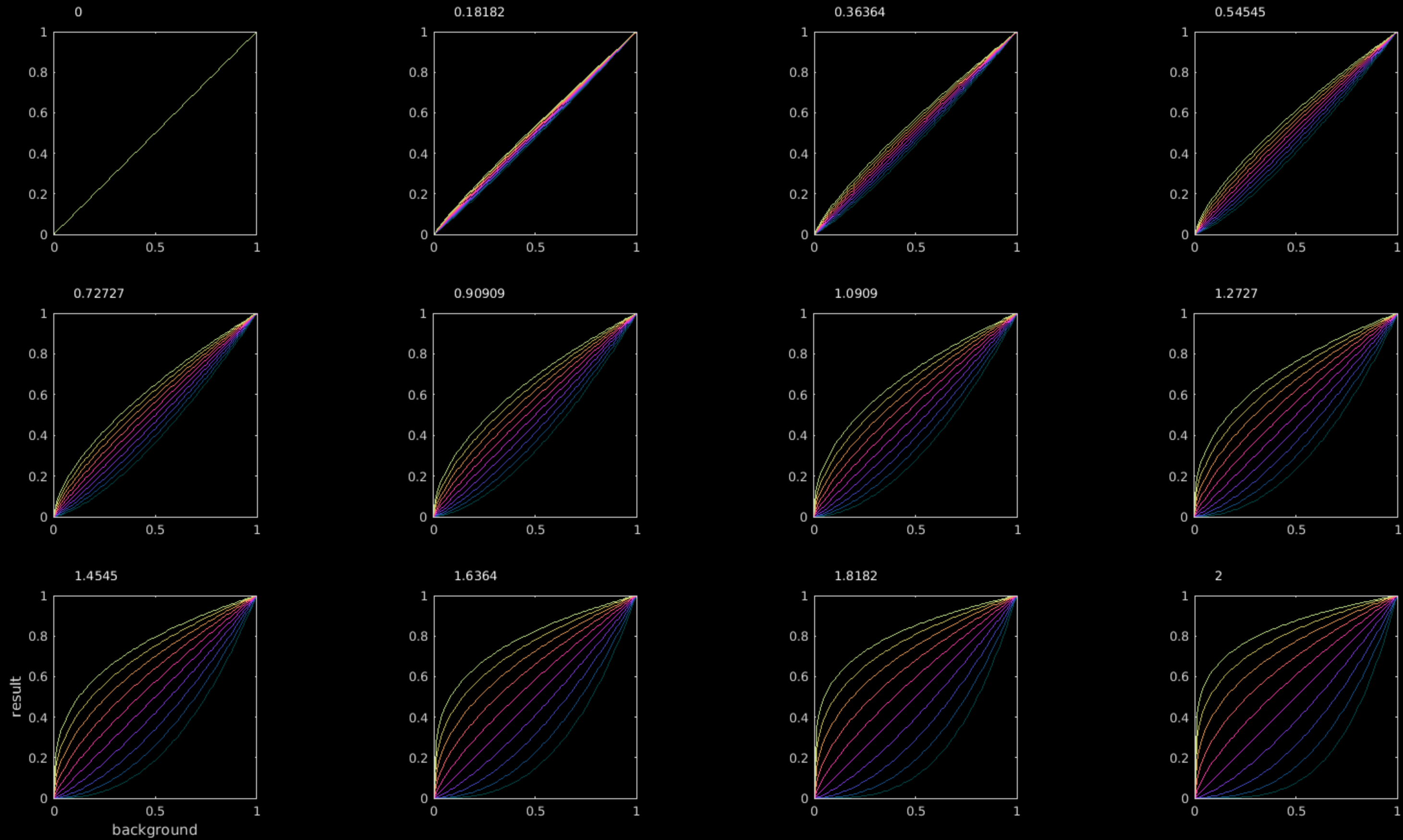
max(dR/dBG): 0.1000
relative speed: 1.0000
RMS value err: 0.0000
RMS sym err: 0.0000



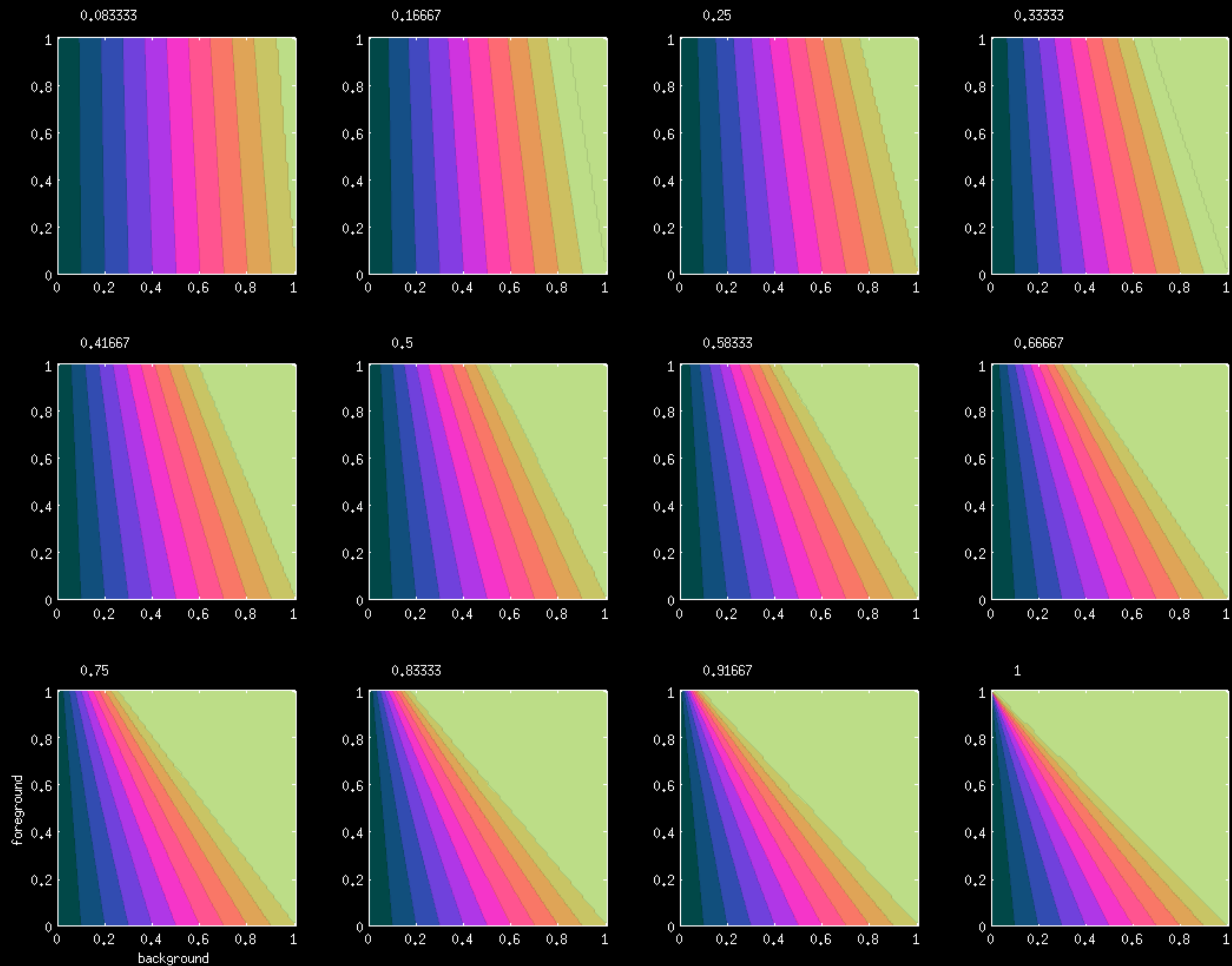
$$\begin{aligned} \text{amount} &= 0.5 * \max(\text{amount}, 0) + 0.5; \\ R &= I.^{((\text{amount} * 2).^{(\text{amount} * (1 - 2 * M)))}); \end{aligned}$$



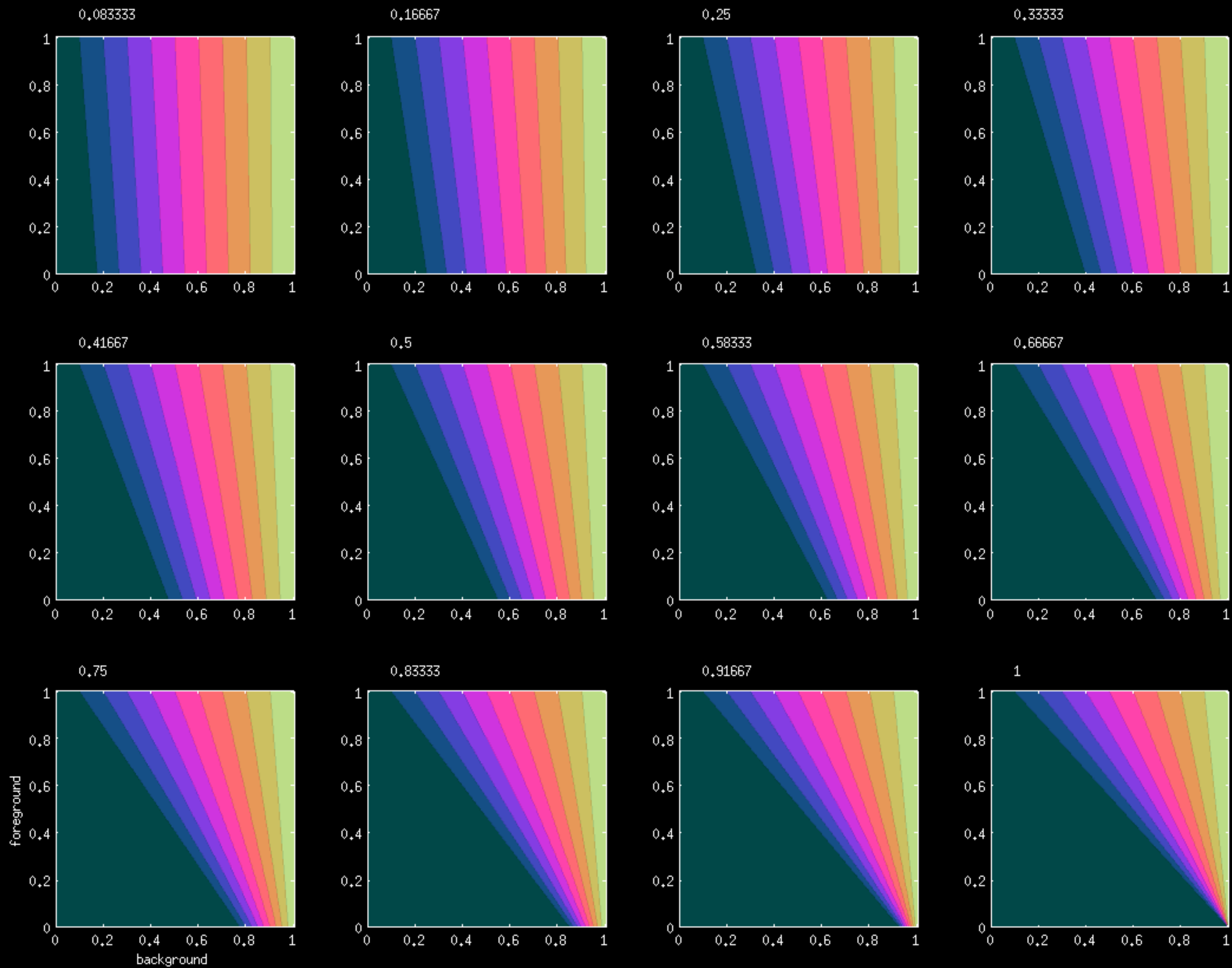
softlighteb2



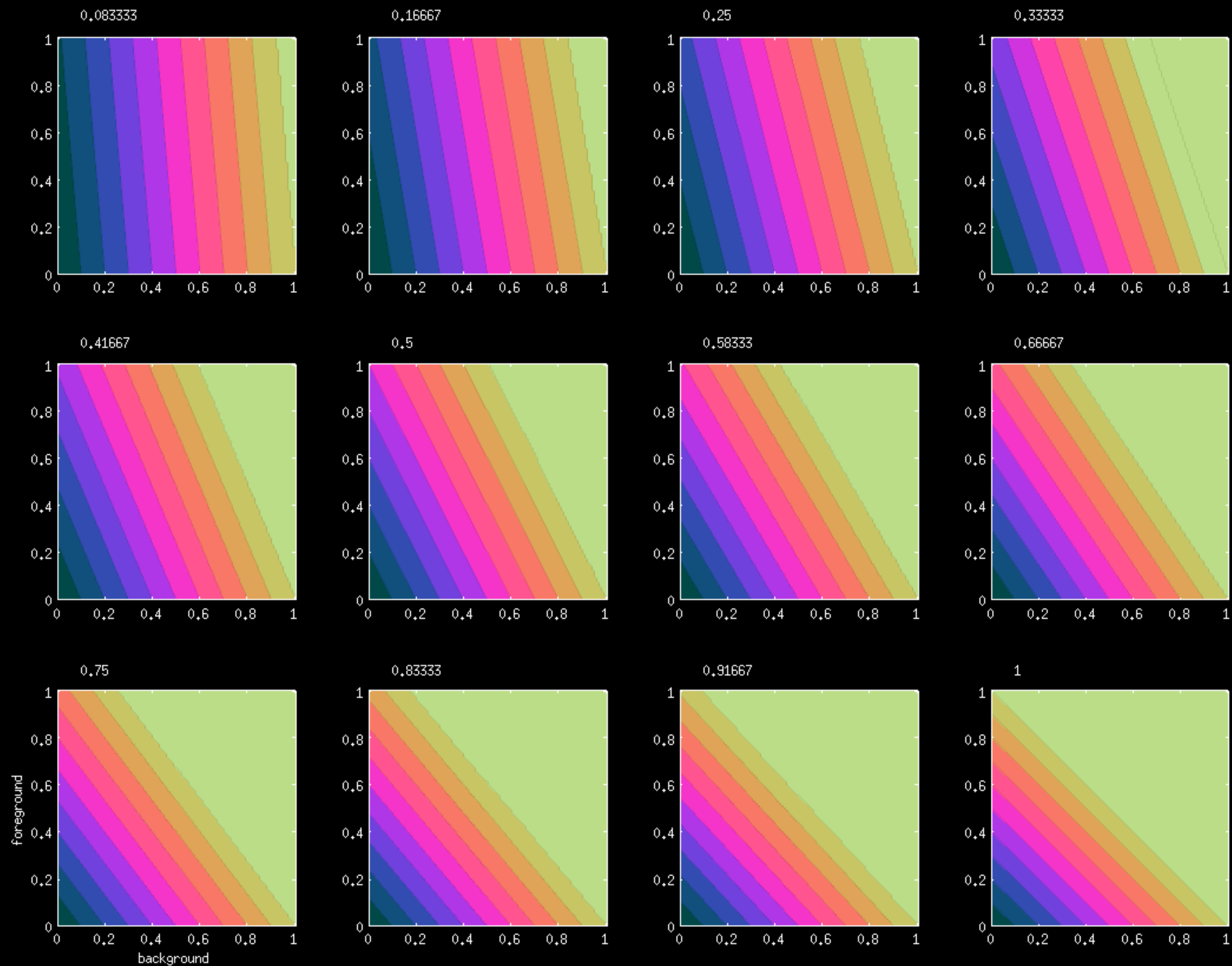
color Dodge



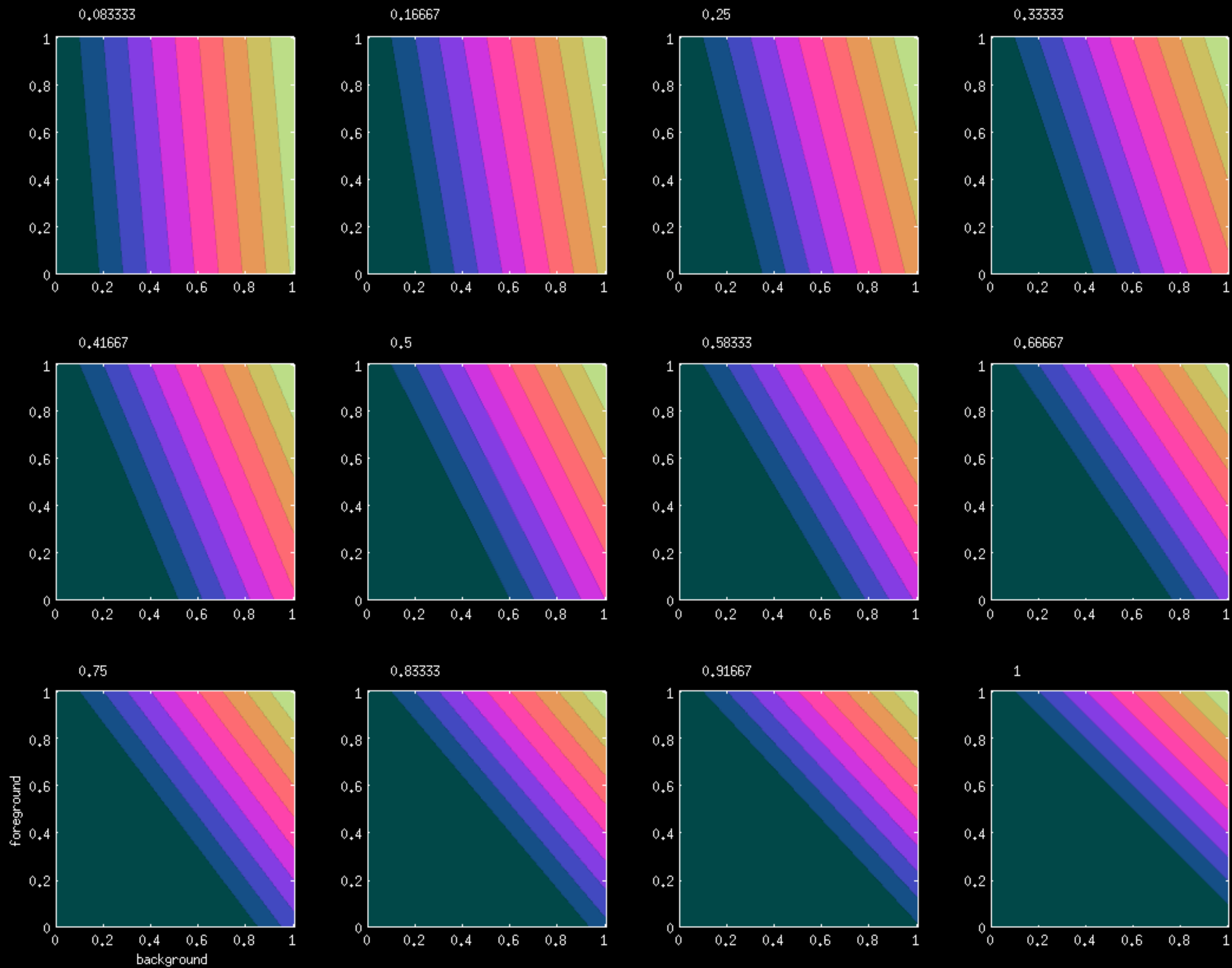
colorburn



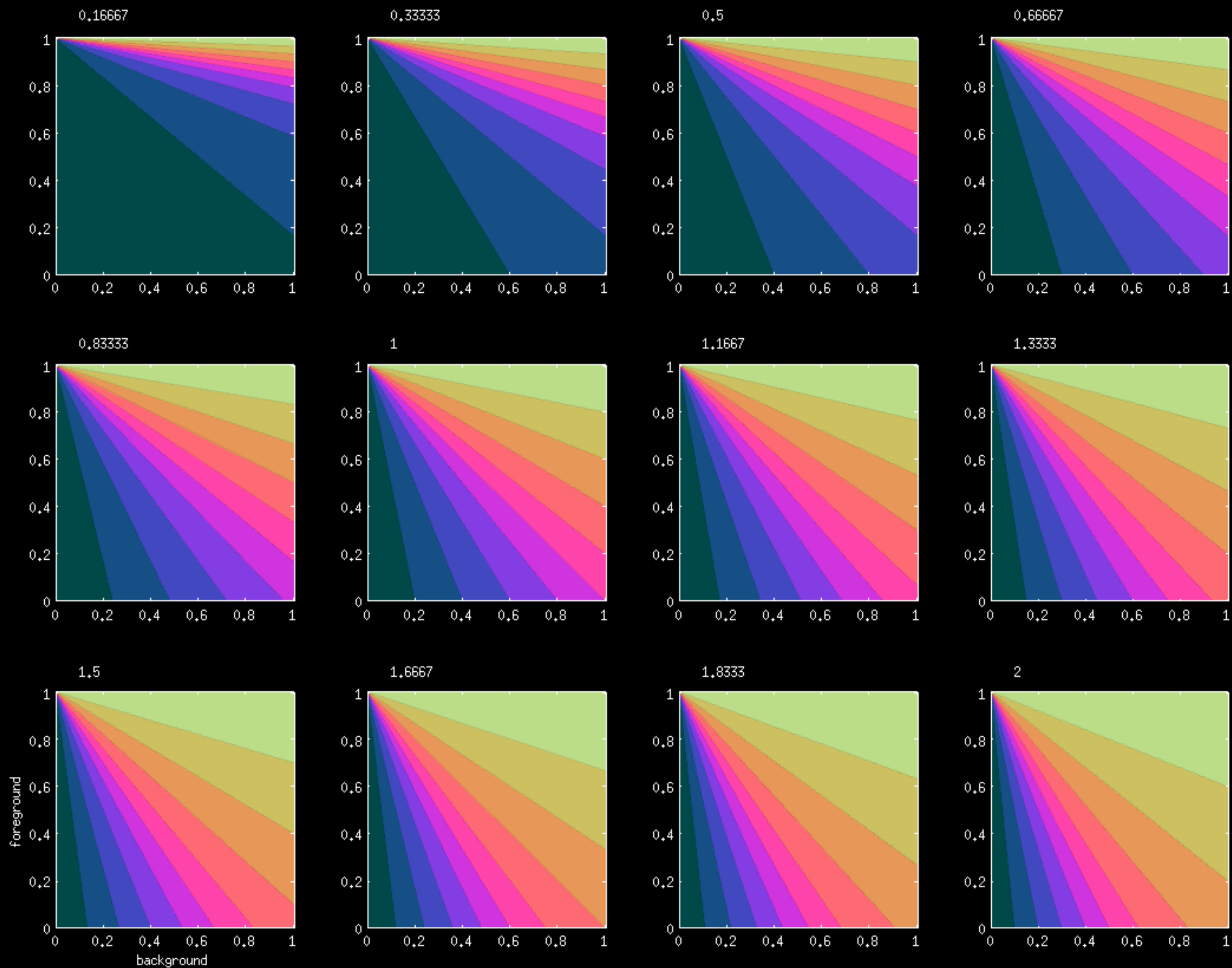
lineardodge



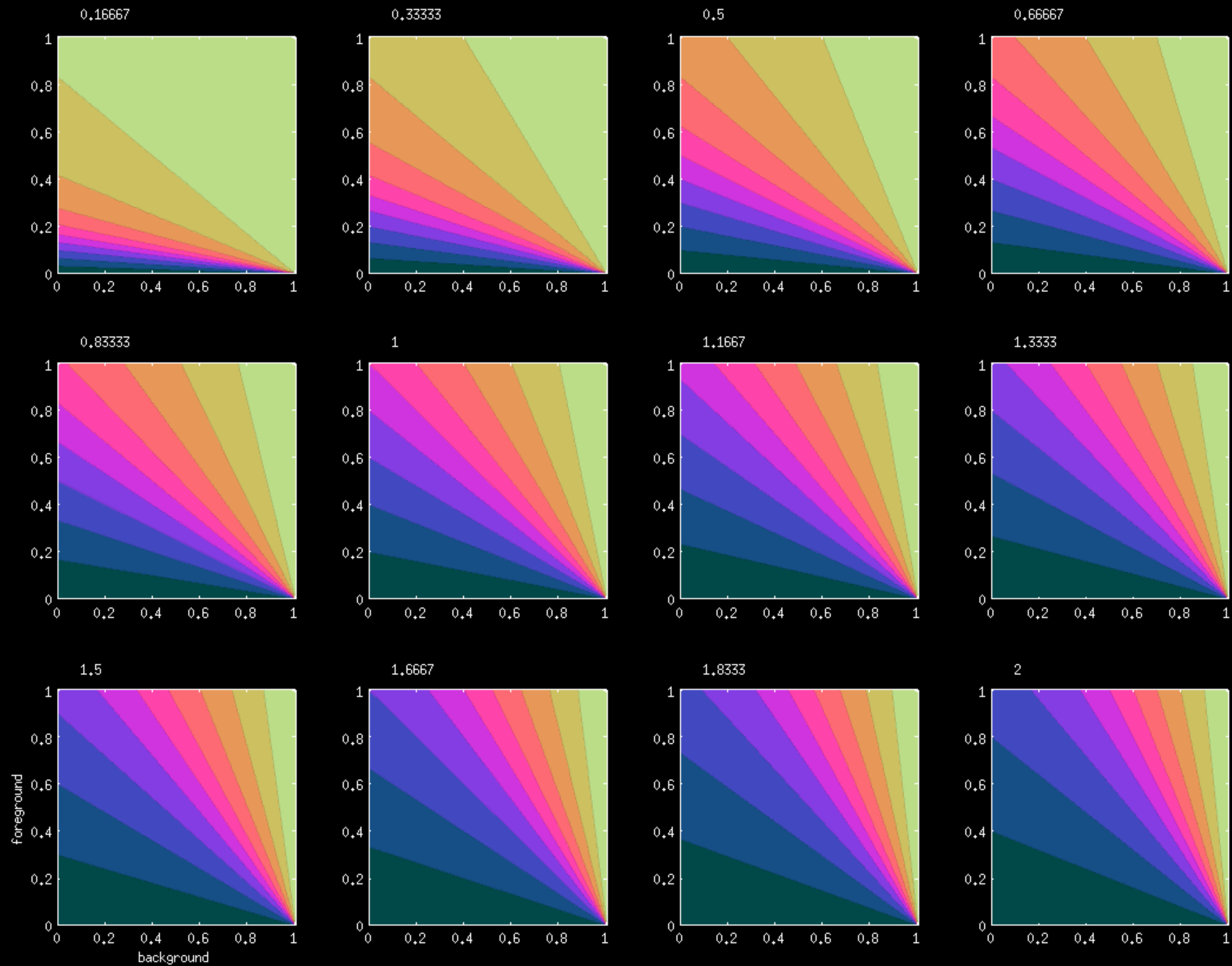
linearburn



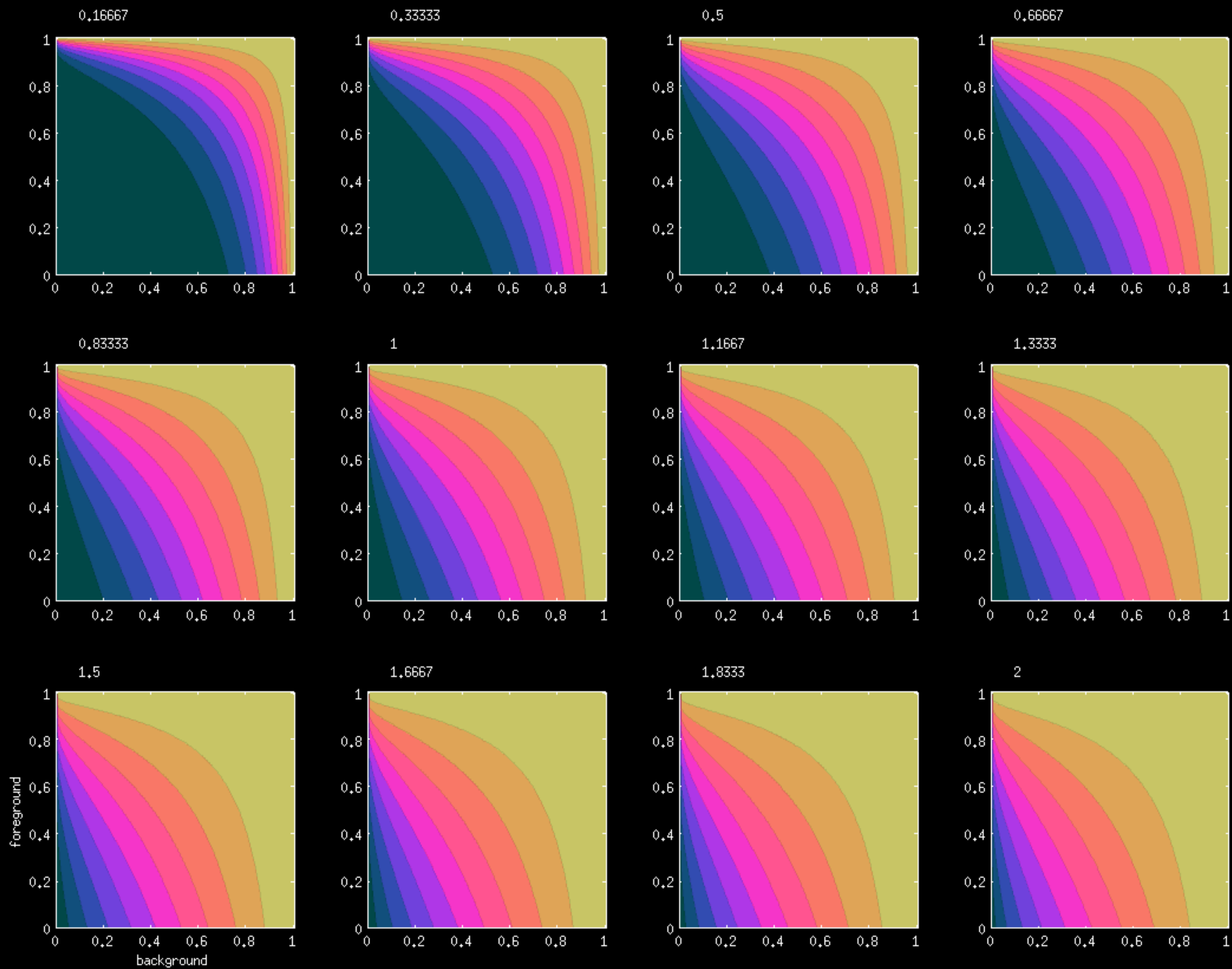
softdodge



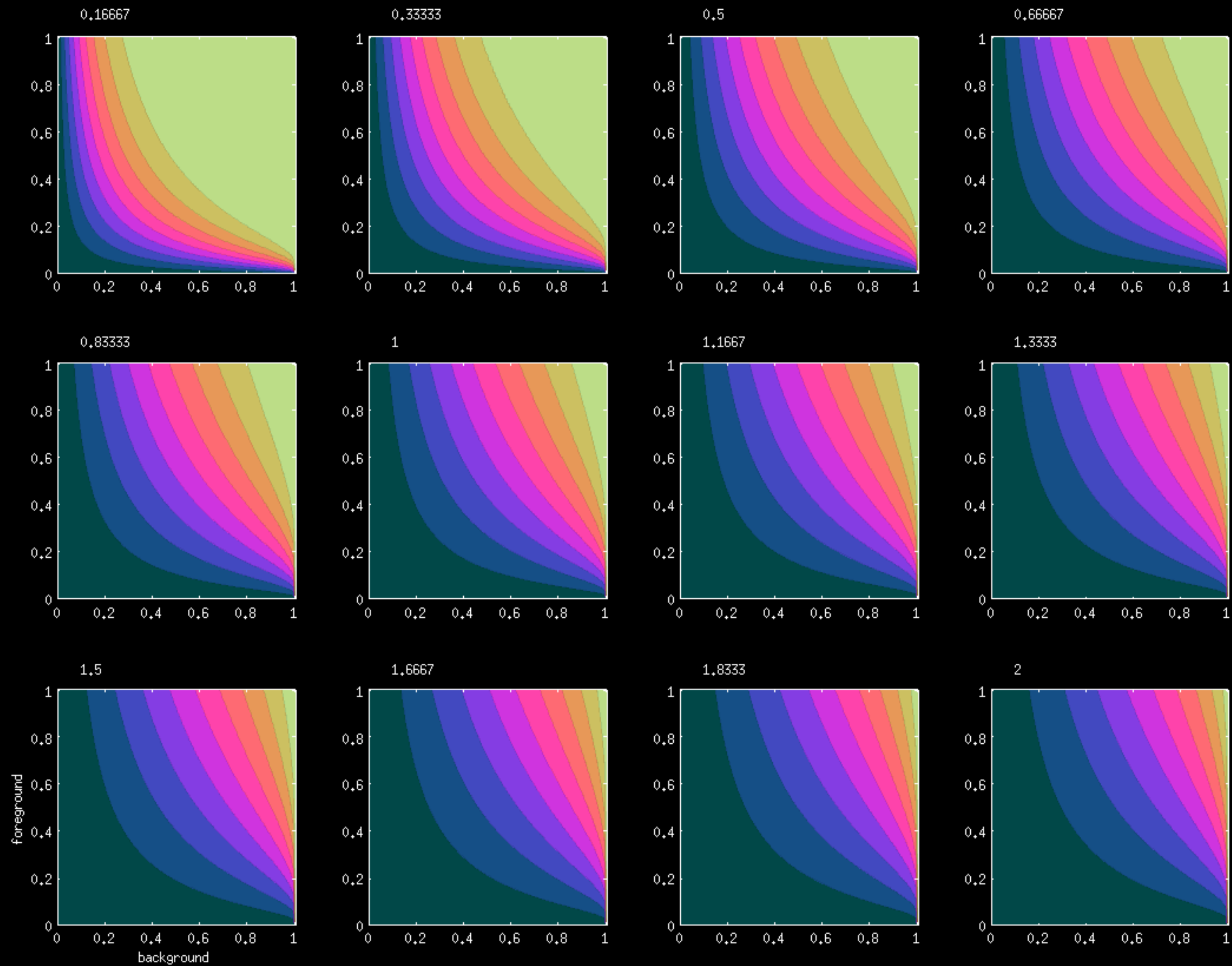
softburn

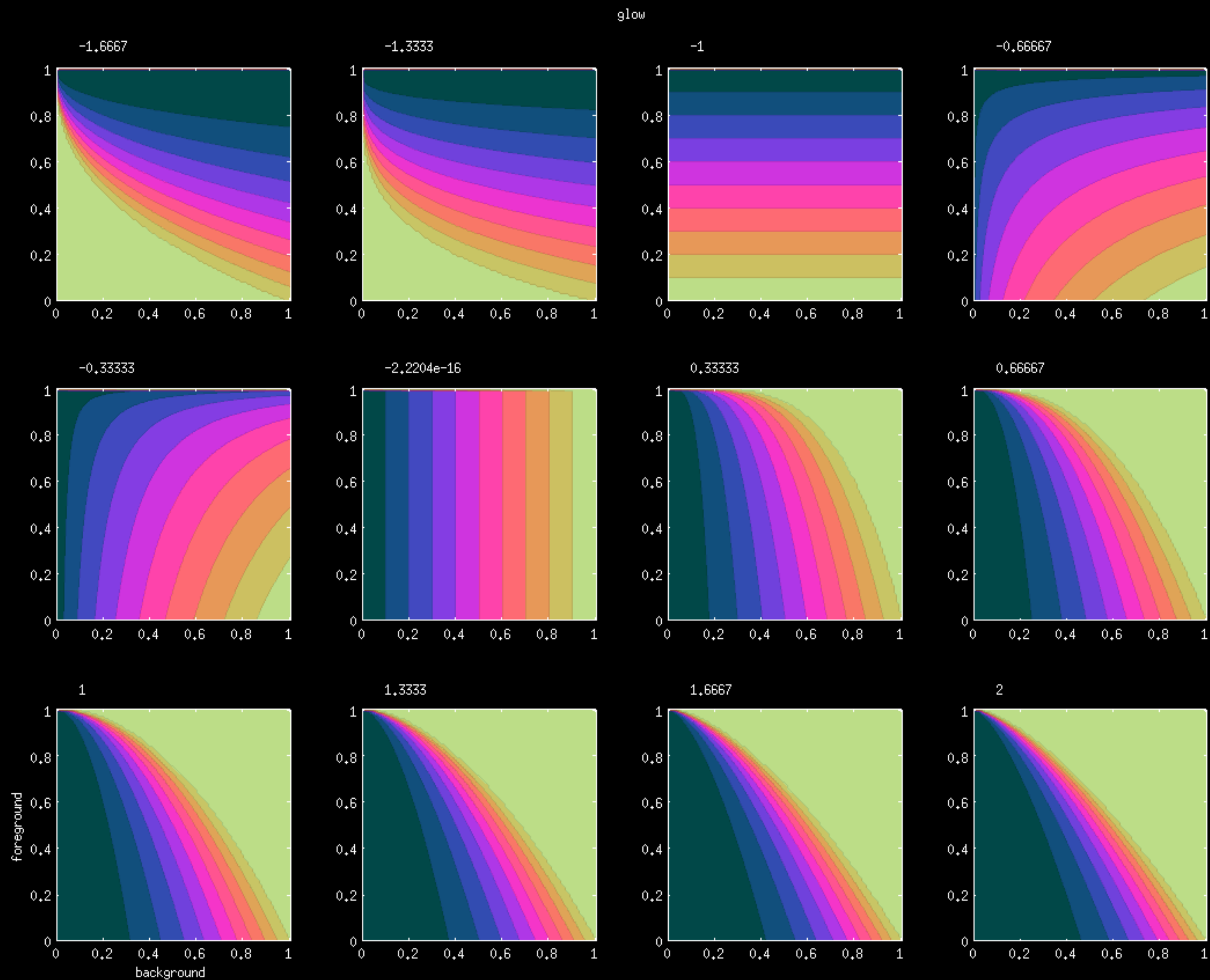


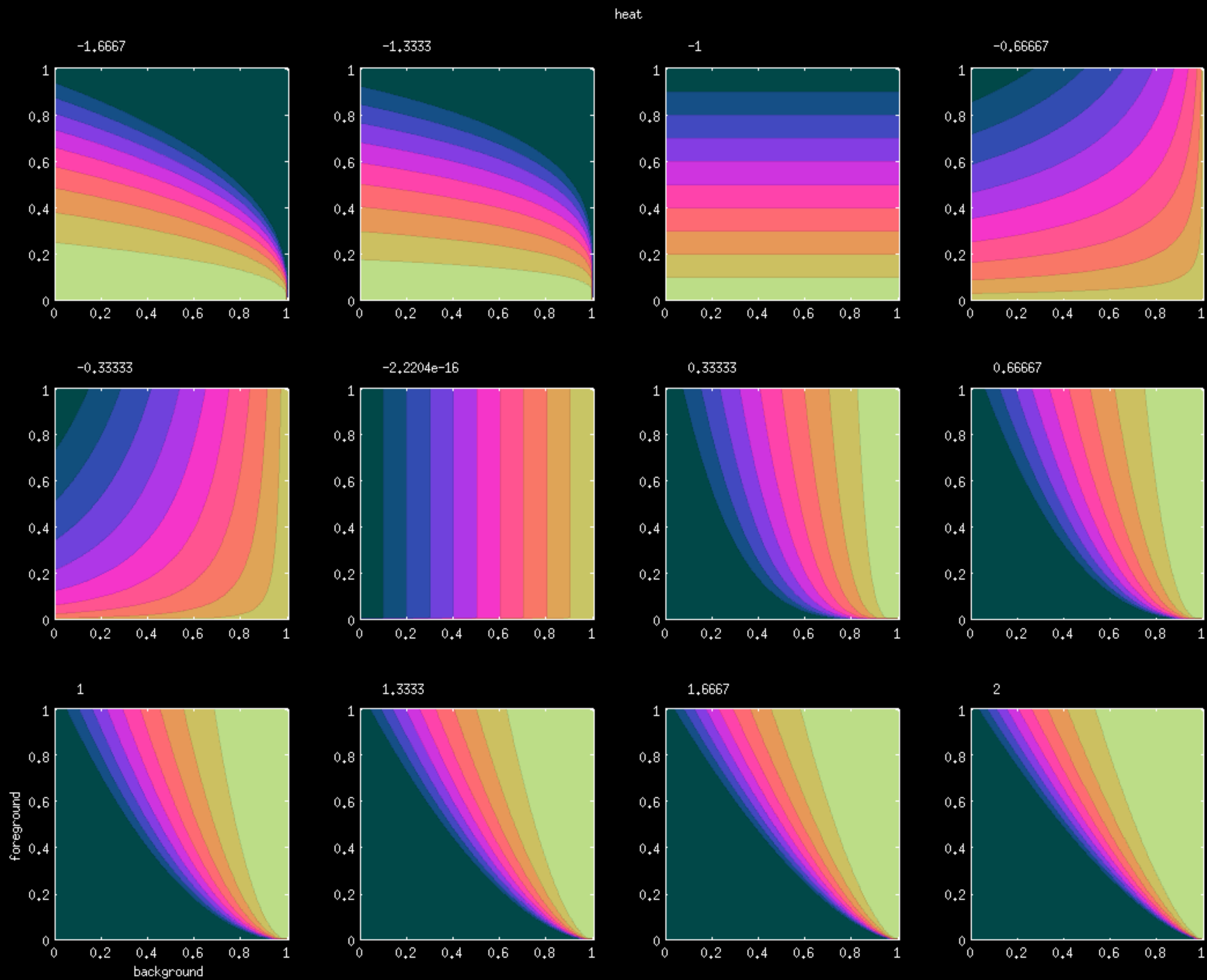
easydodge

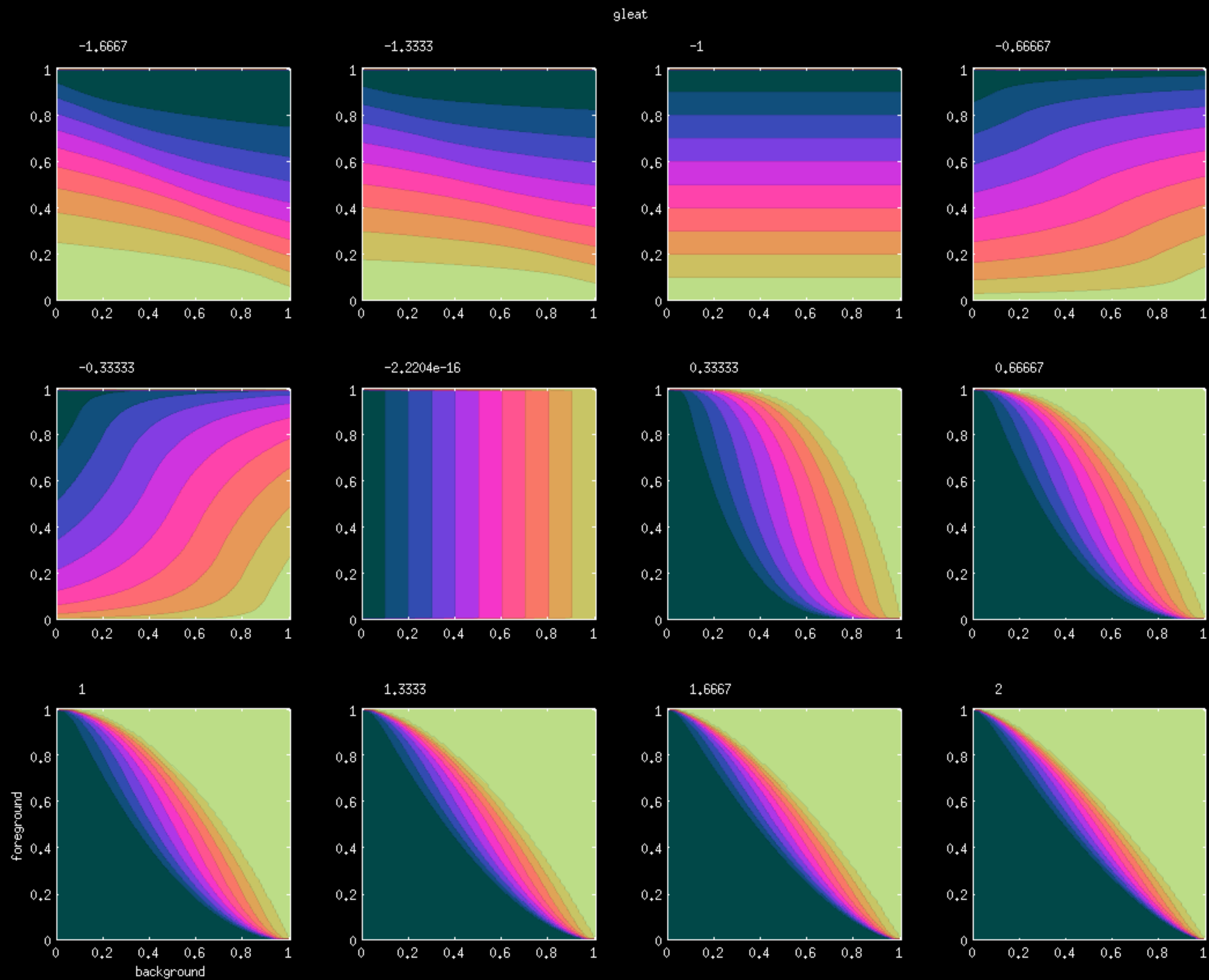


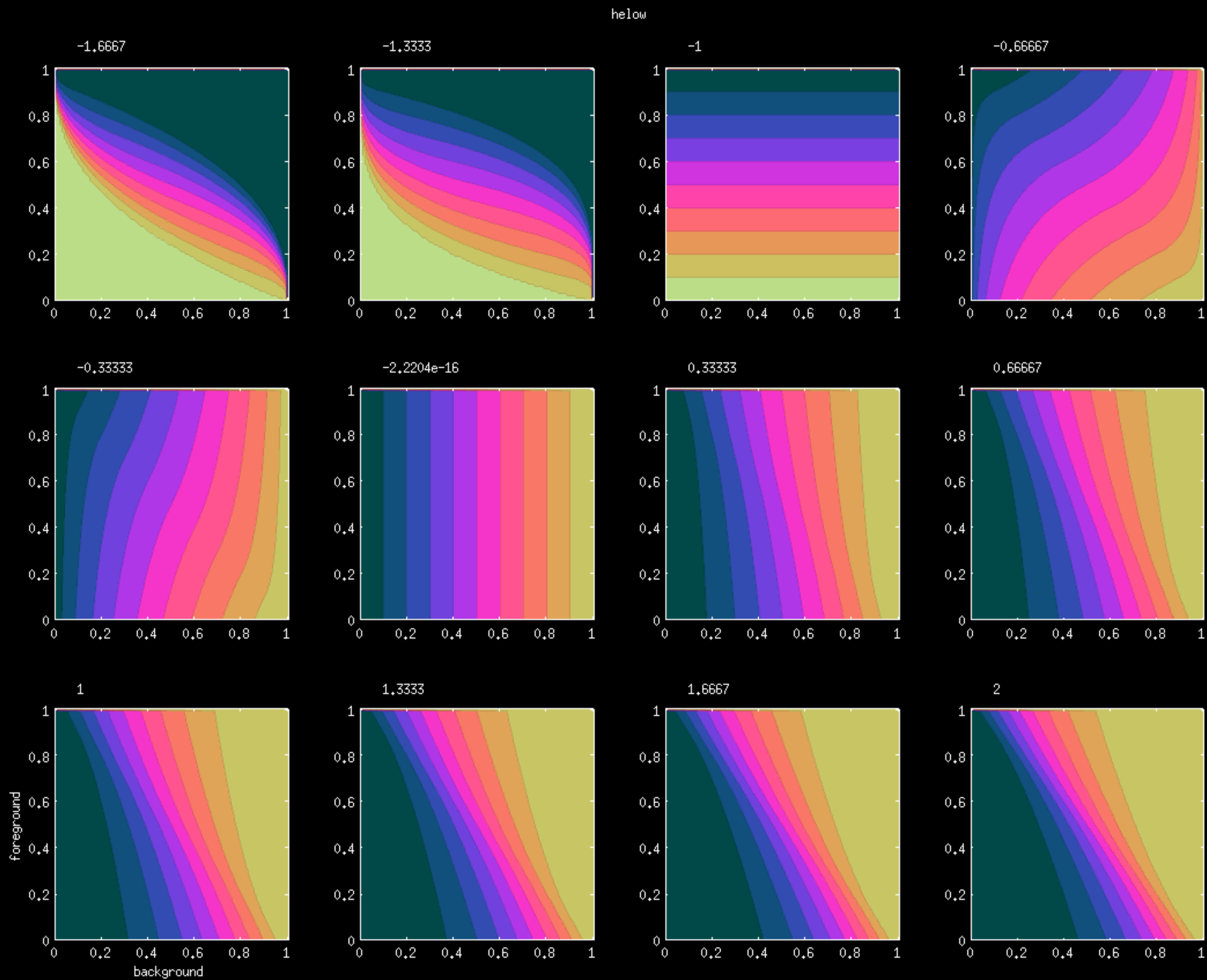
easyburn



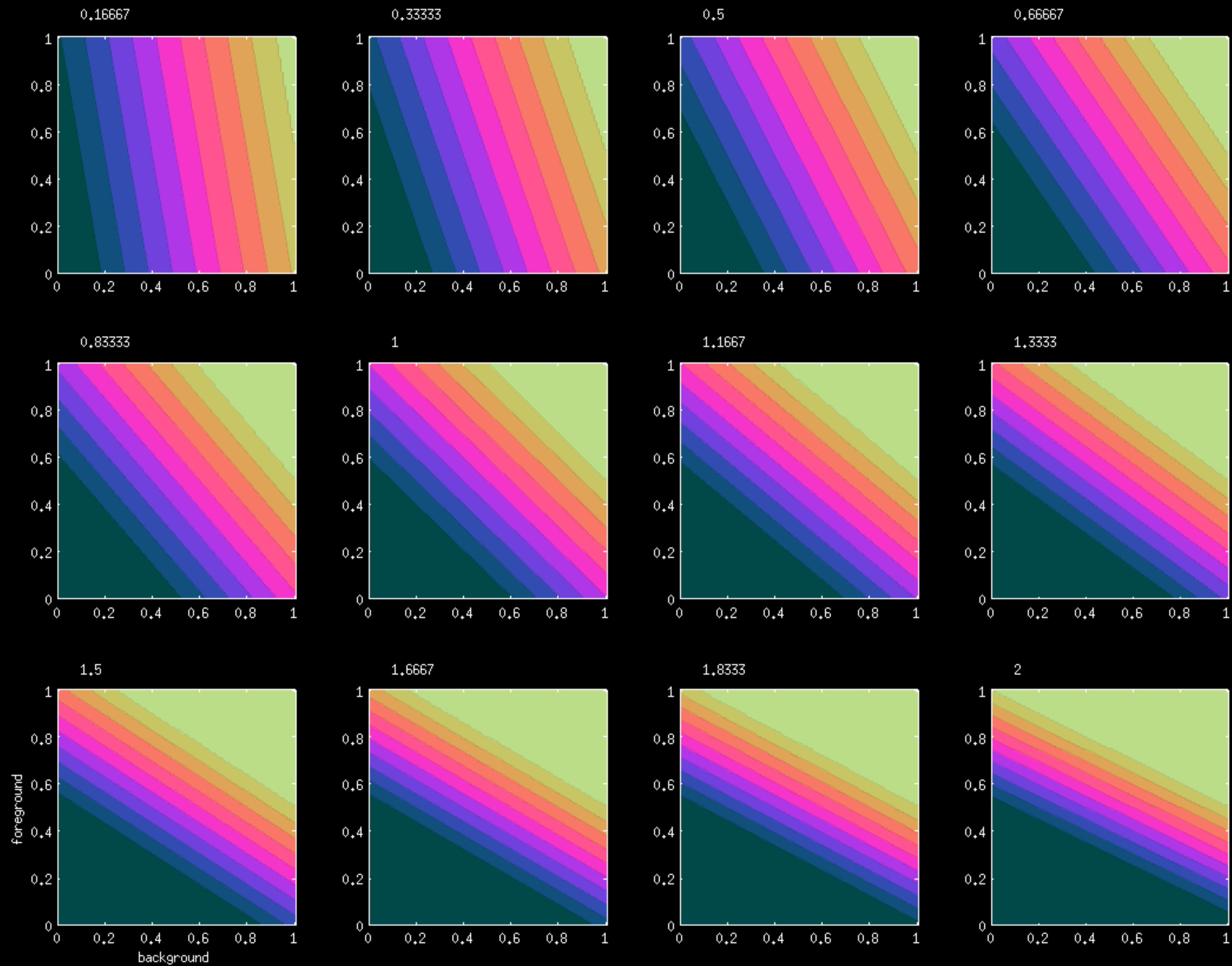


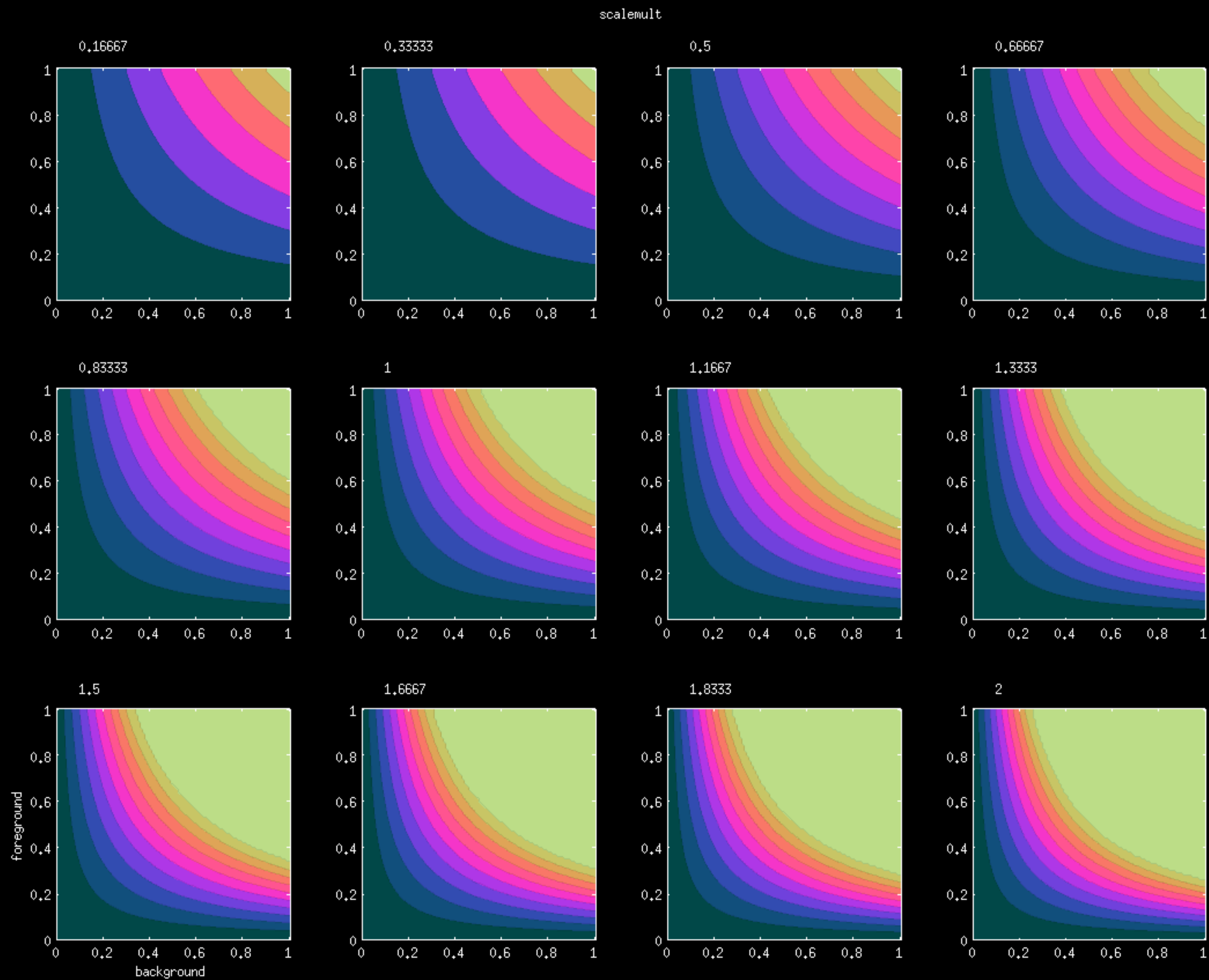


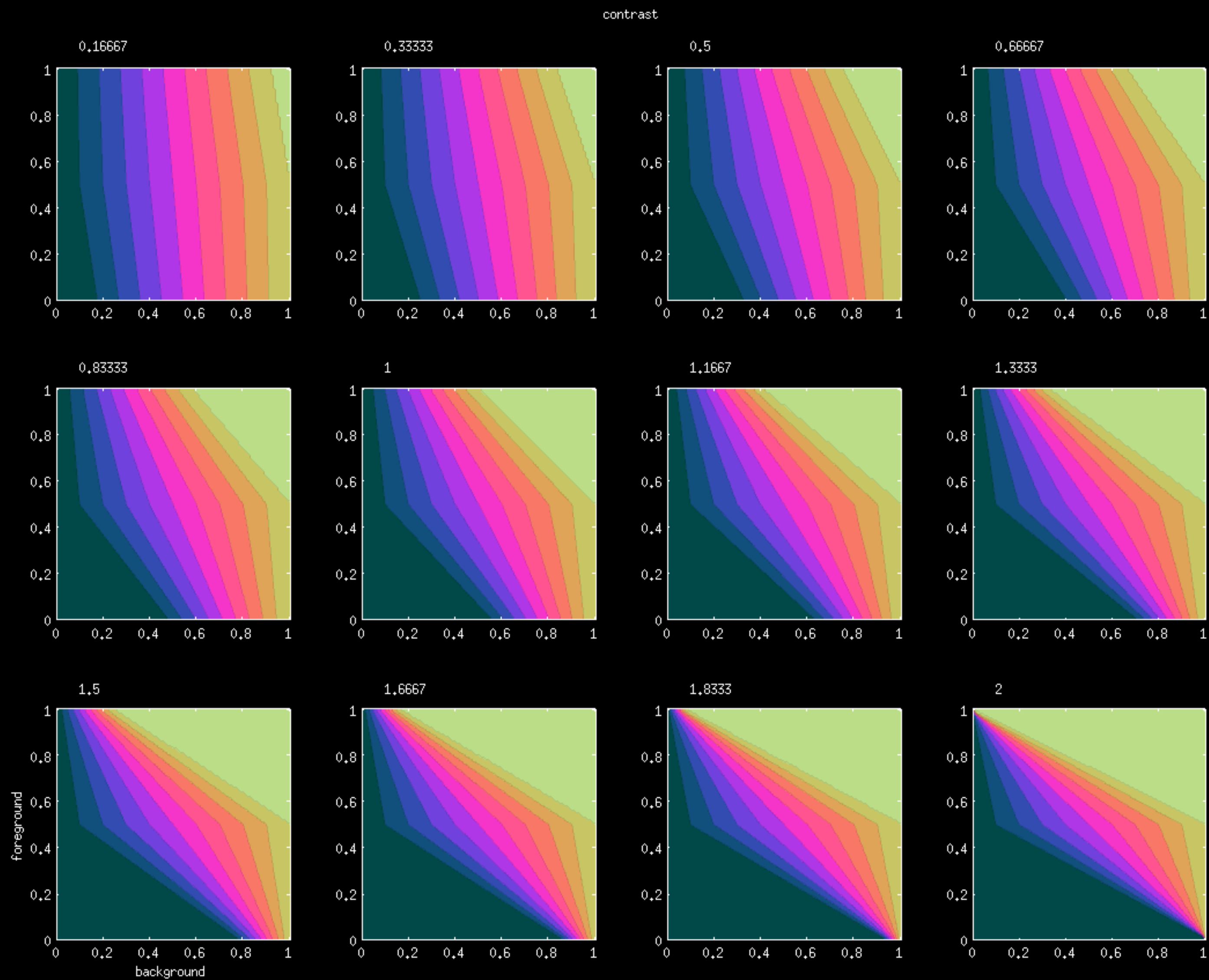


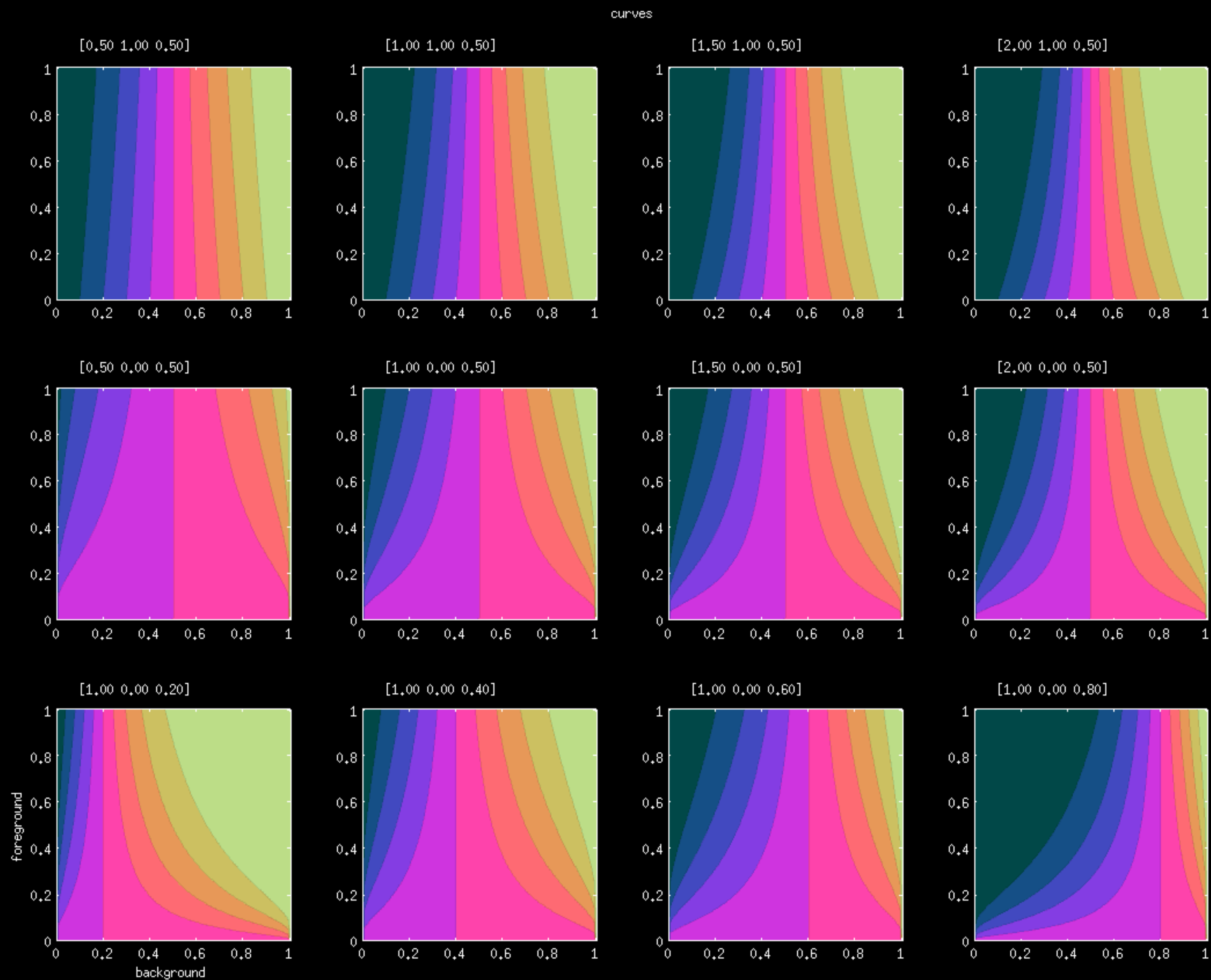


scaleadd

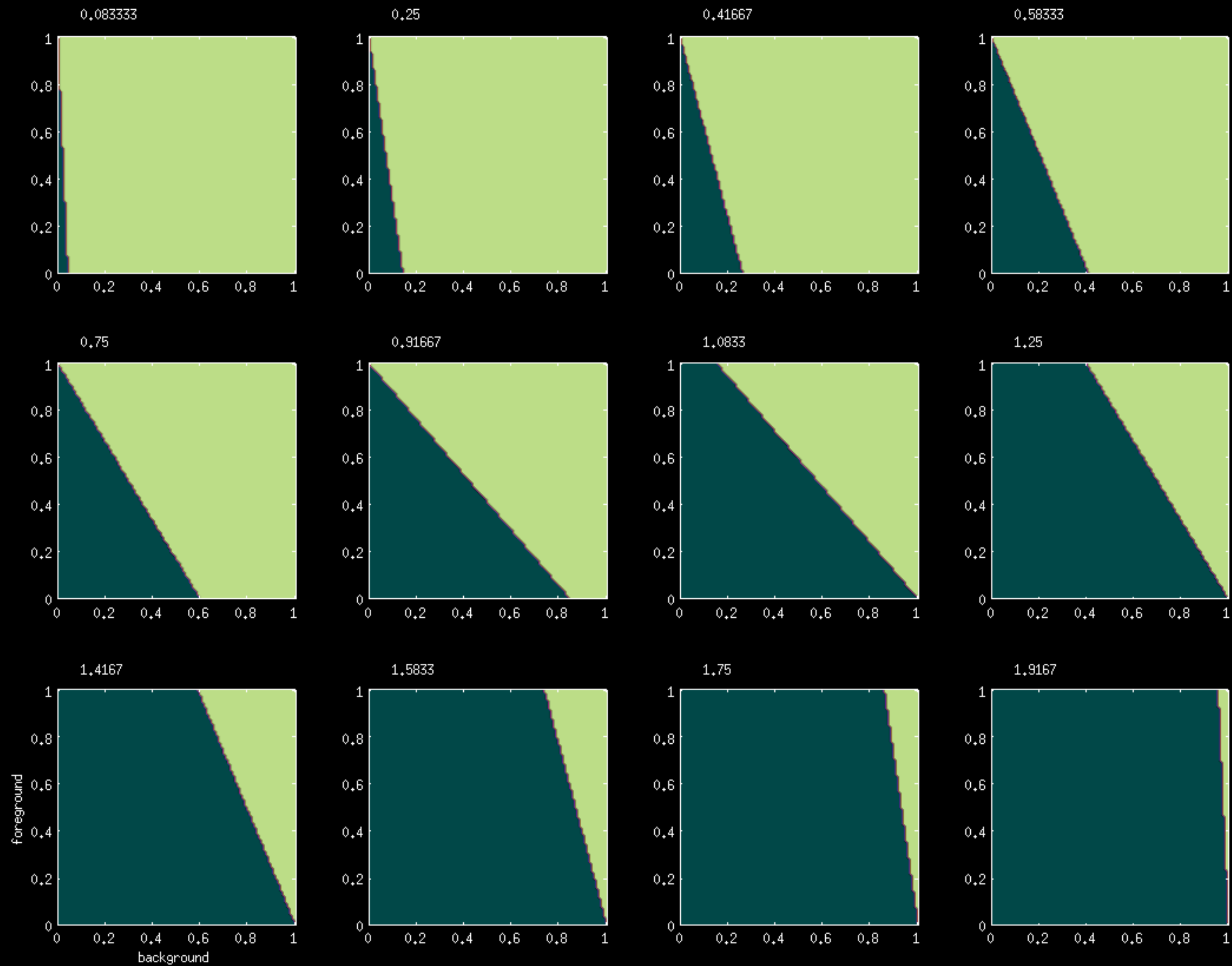




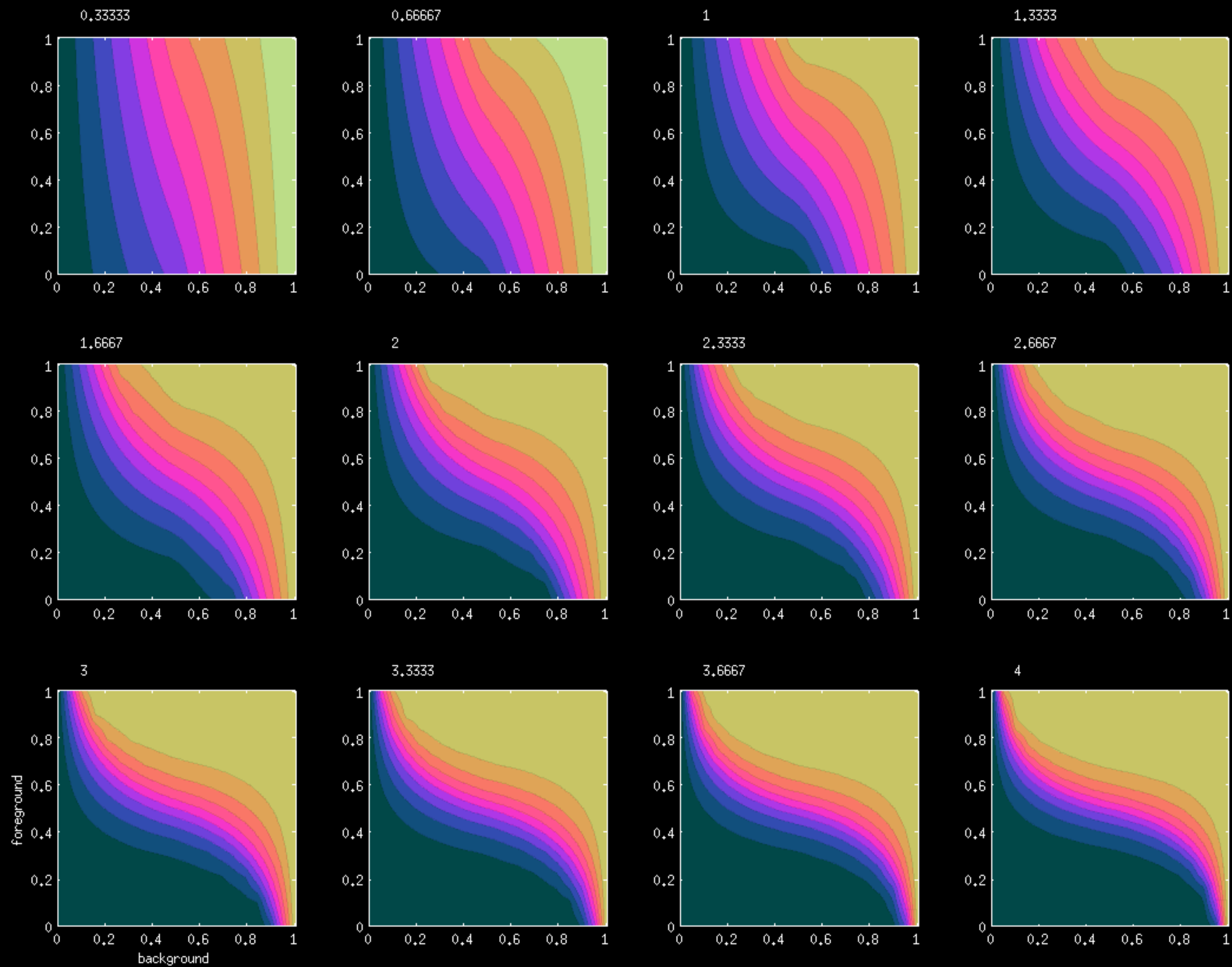




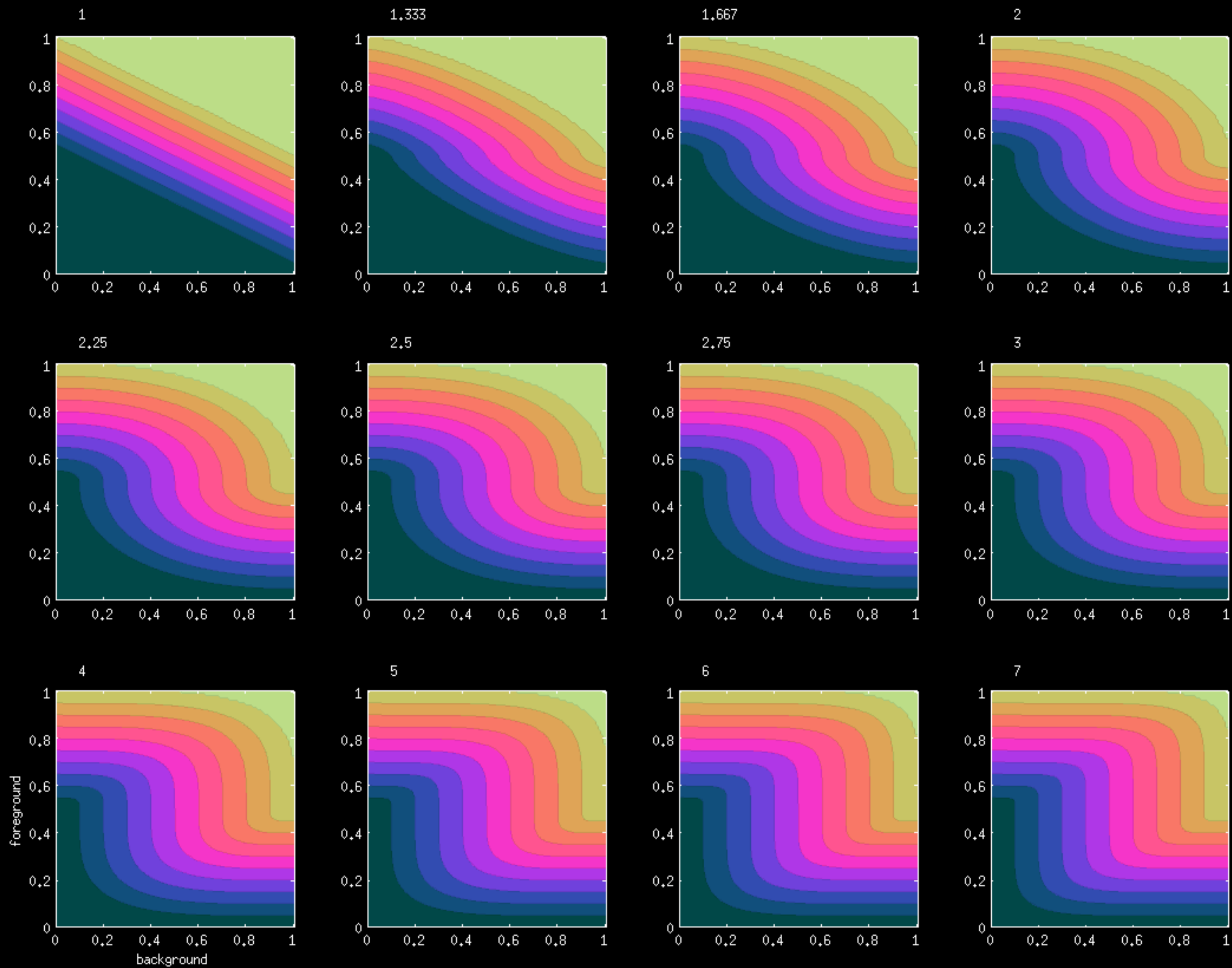
hardmix



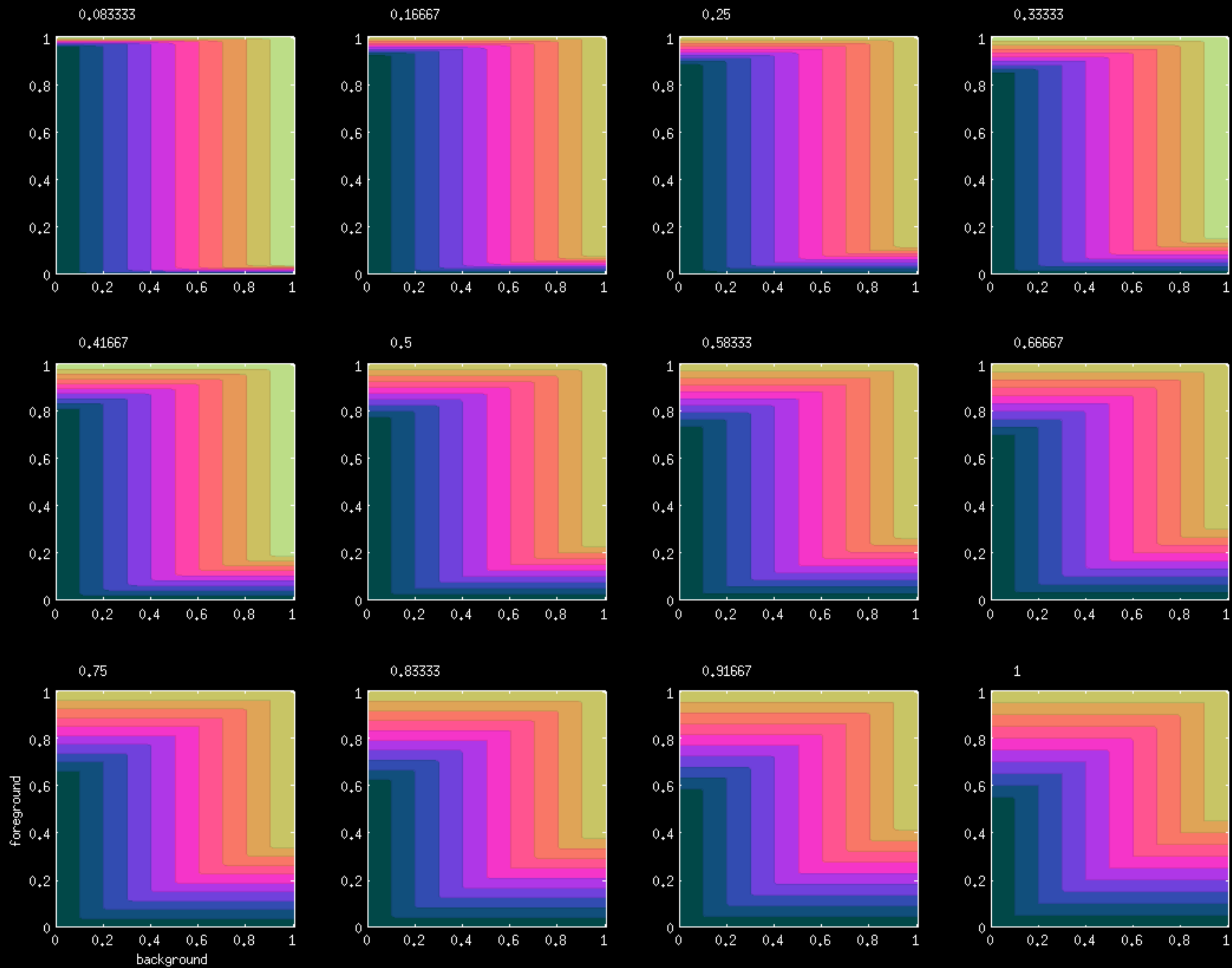
scalable overlay

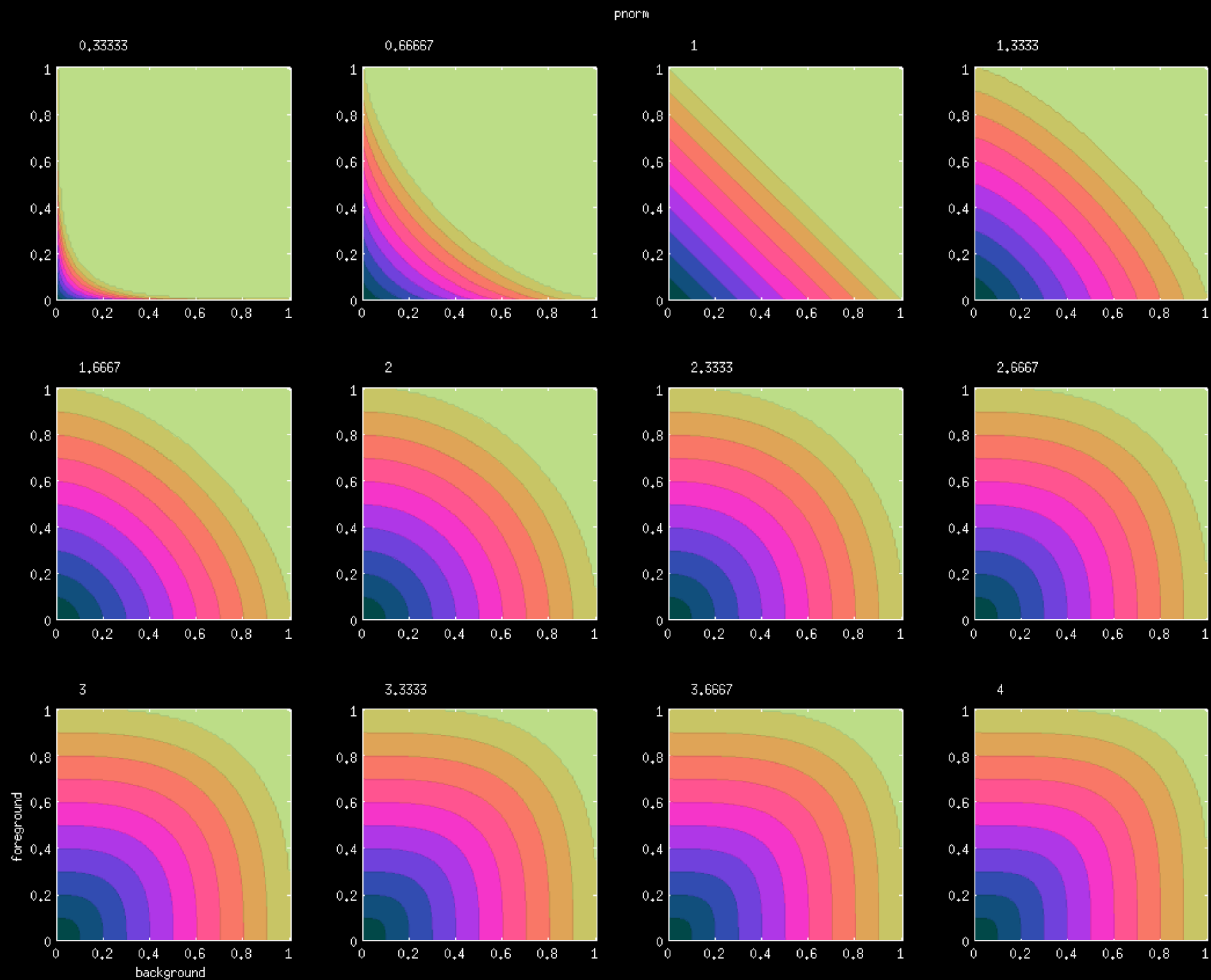


superlight



pinlight





lightenrgb

