# Constructive Solid Geometry

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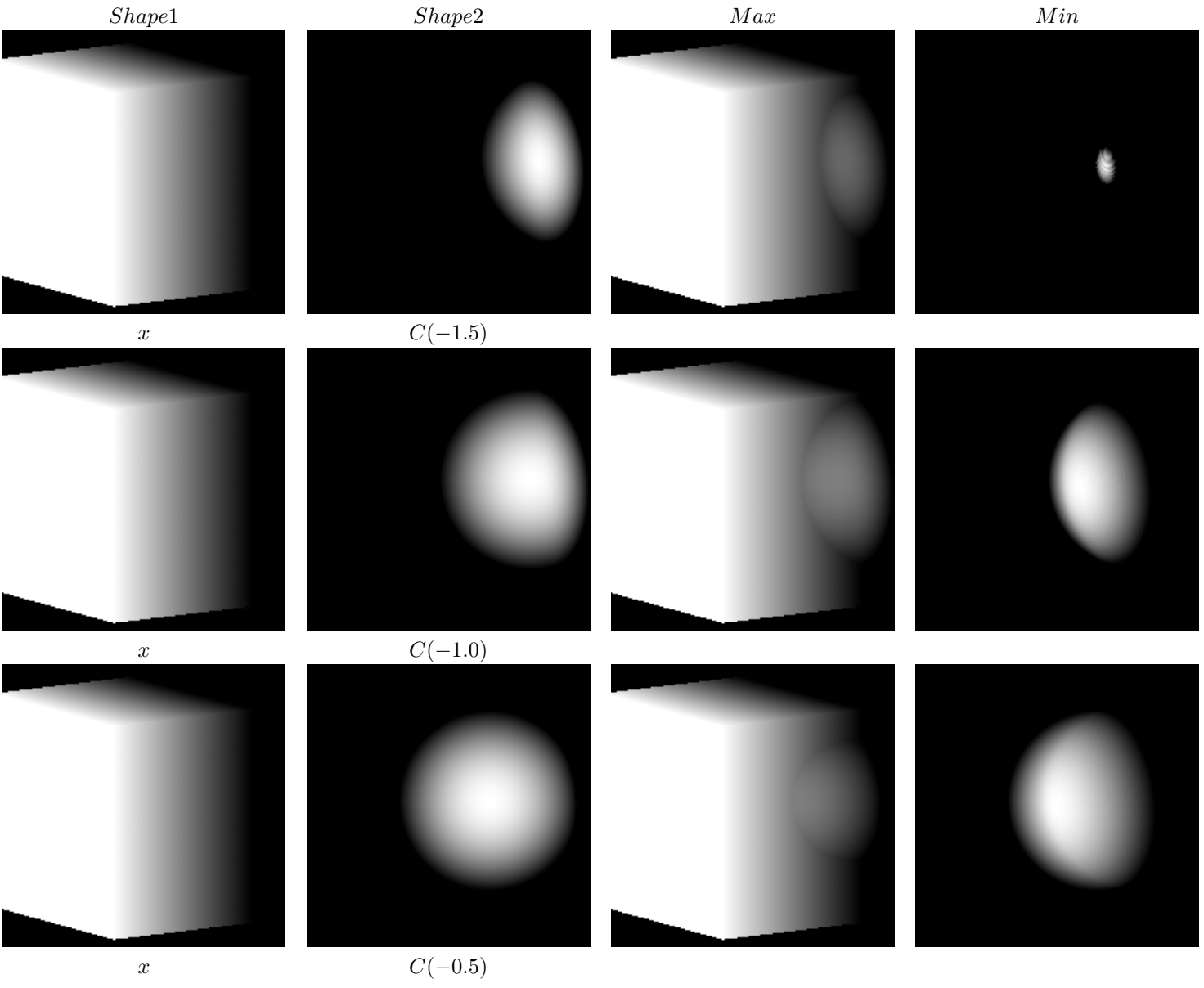
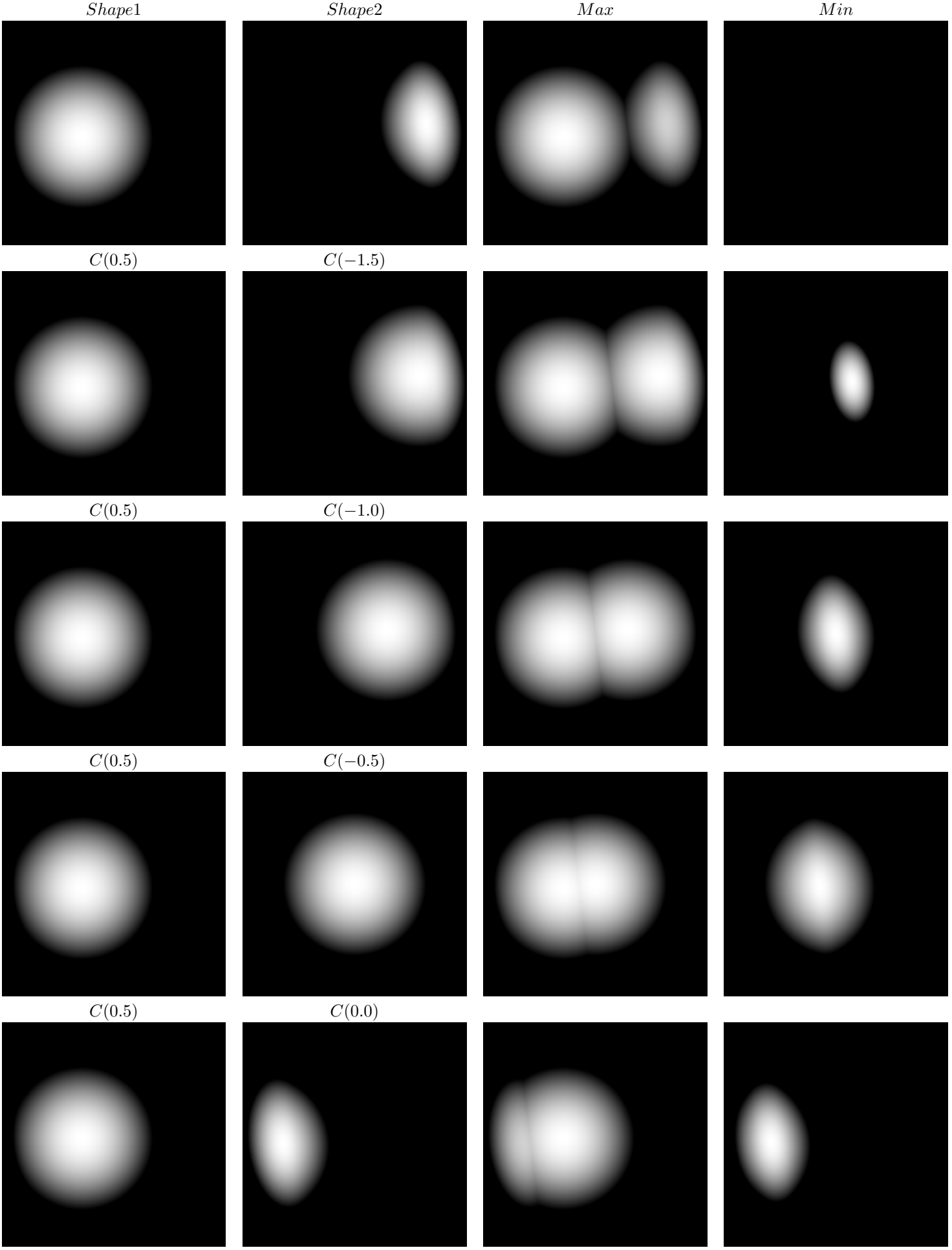
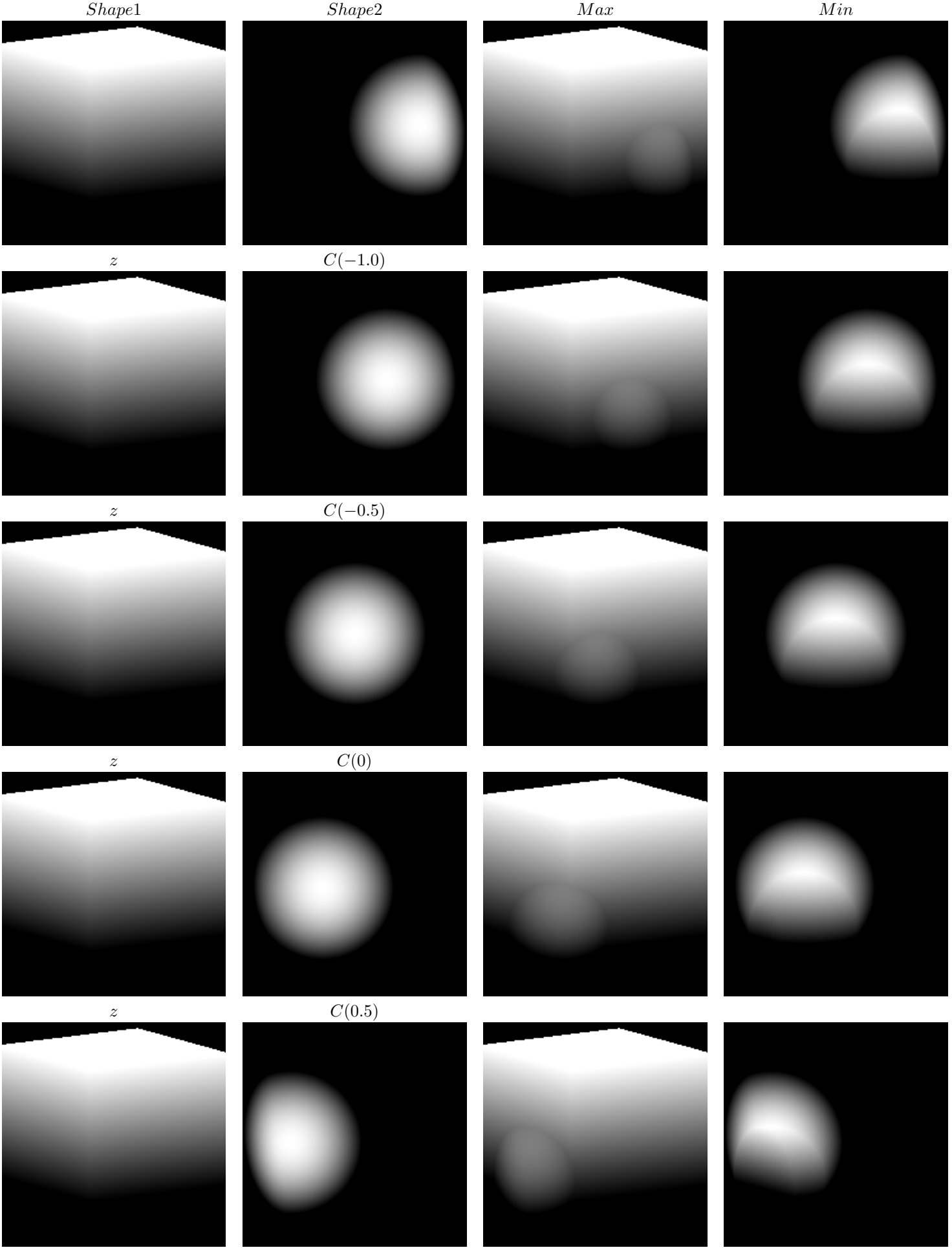
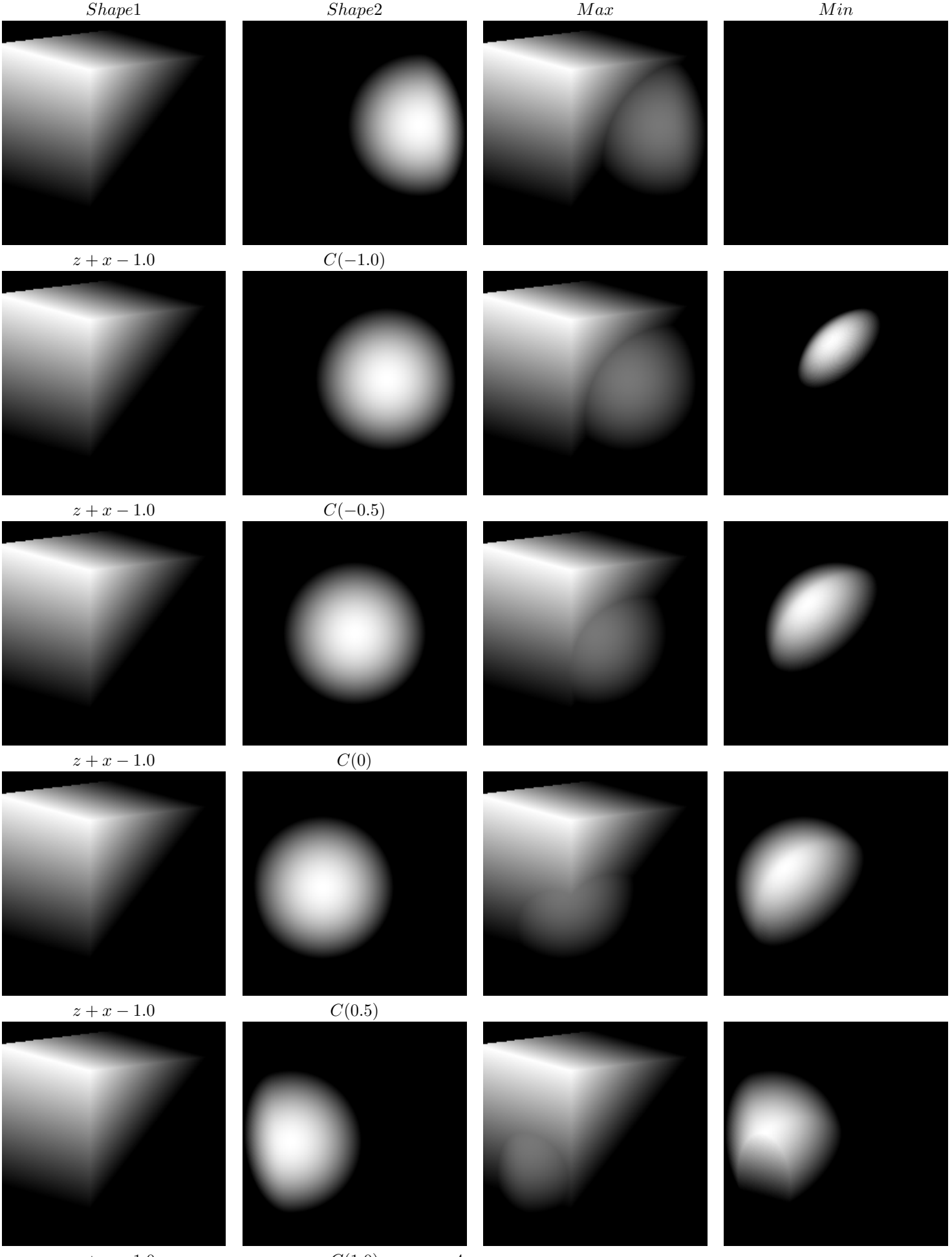
August 26, 2017

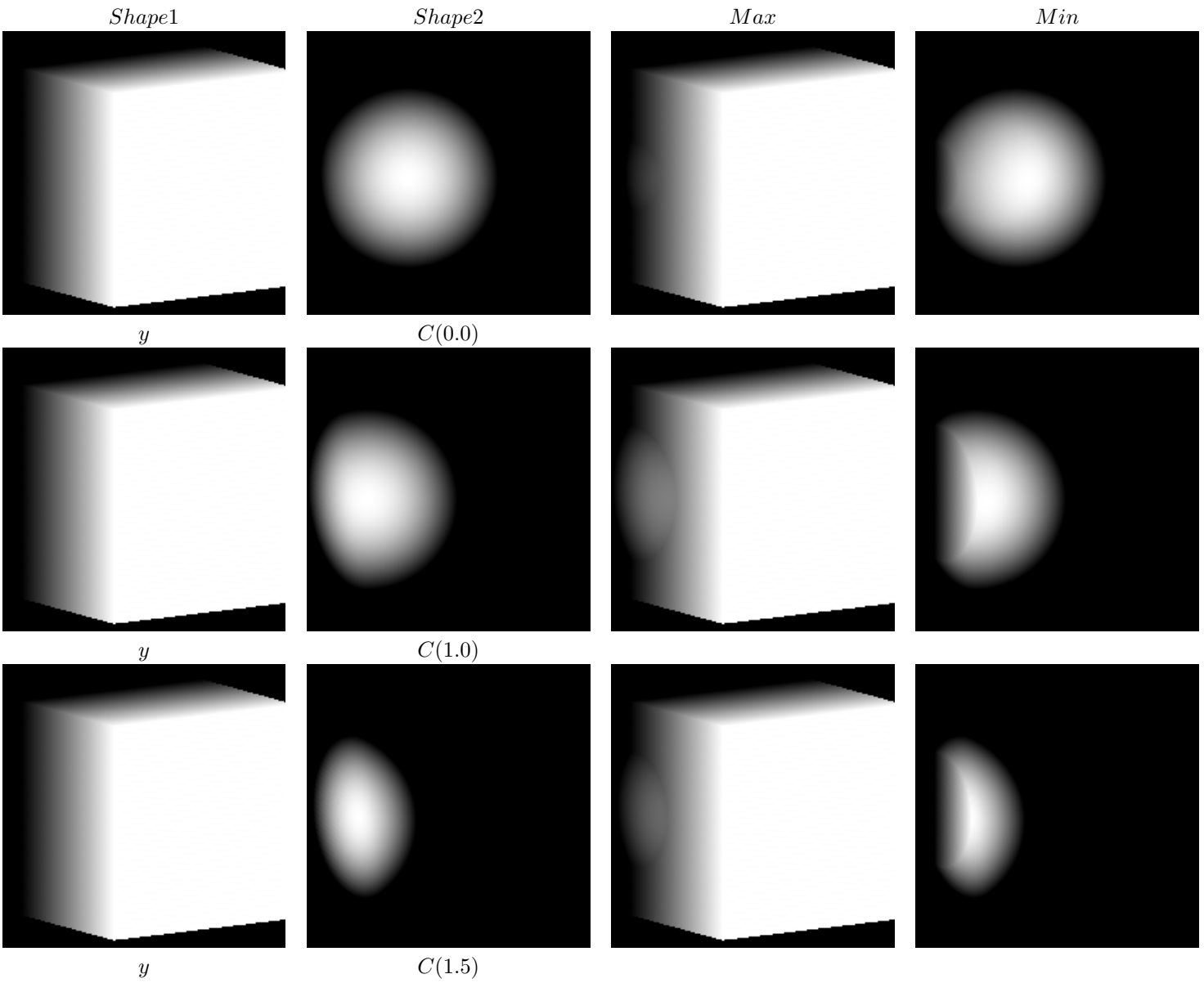
Sphere shapes made with function:
$C(shiftx) = 0.25 - (shiftx - x)^2 + y^2 + z^2$

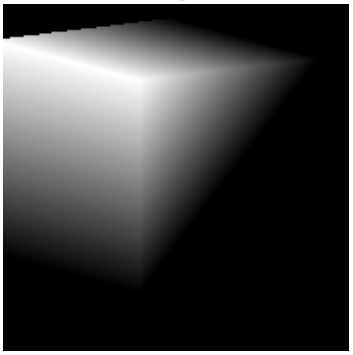
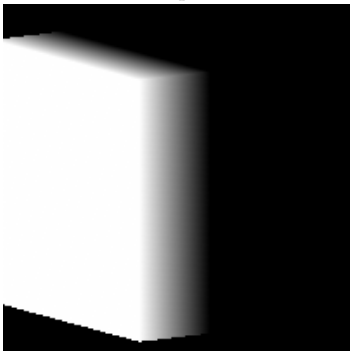
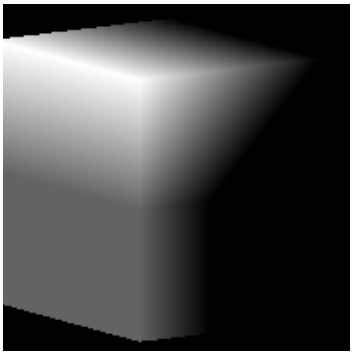
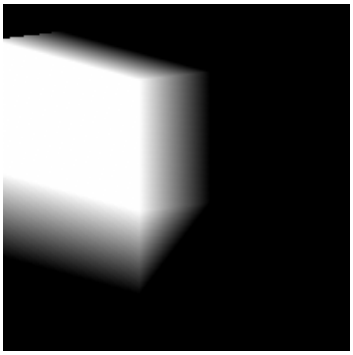
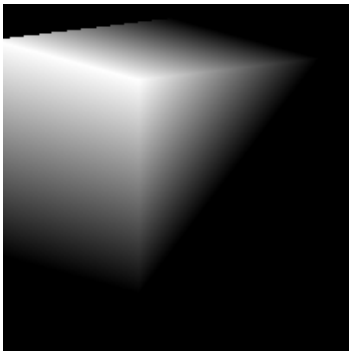
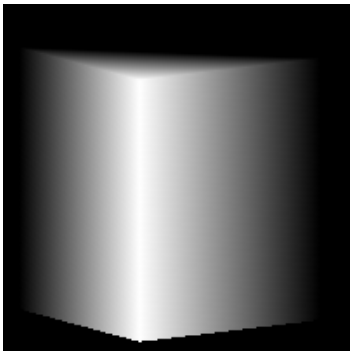
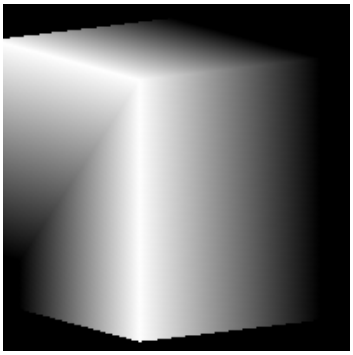
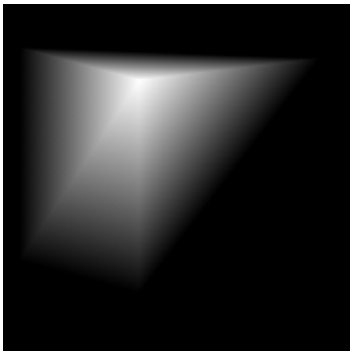



$Shape1$
$Shape2$
$Max$
$Min$
$C(0.5)$
$C(-1.5)$
$C(0.5)$
$C(-1.0)$
$C(0.5)$
$C(-0.5)$
$C(0.5)$
$C(0.0)$
$C(0.5)$
$C(1.5)$


$Shape1$
$Shape2$
$Max$
$Min$
$z$
$C(-1.0)$
$z$
$C(-0.5)$
$z$
$C(0)$
$z$
$C(0.5)$
$z$
$C(1.0)$


$Shape1$
$Shape2$
$Max$
$Min$
$z + x - 1.0$
$C(-1.0)$
$z + x - 1.0$
$C(-0.5)$
$z + x - 1.0$
$C(0)$
$z + x - 1.0$
$C(0.5)$
$z + x - 1.0$
$C(1.0)$


$Shape1$
$Shape2$
$Max$
$Min$
$y$
$C(0.0)$
$y$
$C(1.0)$
$y$
$C(1.5)$

| $Shape1$ | $Shape2$ | $Max$ | $Min$ |
|---|---|---|---|
|  |  |  |  |
| $z + x - 1.0$ | $x - 1.0$ | | |
|  |  |  |  |
| $z + x - 1.0$ | $x + y - 1.0$ | | |