
Knot Colorings

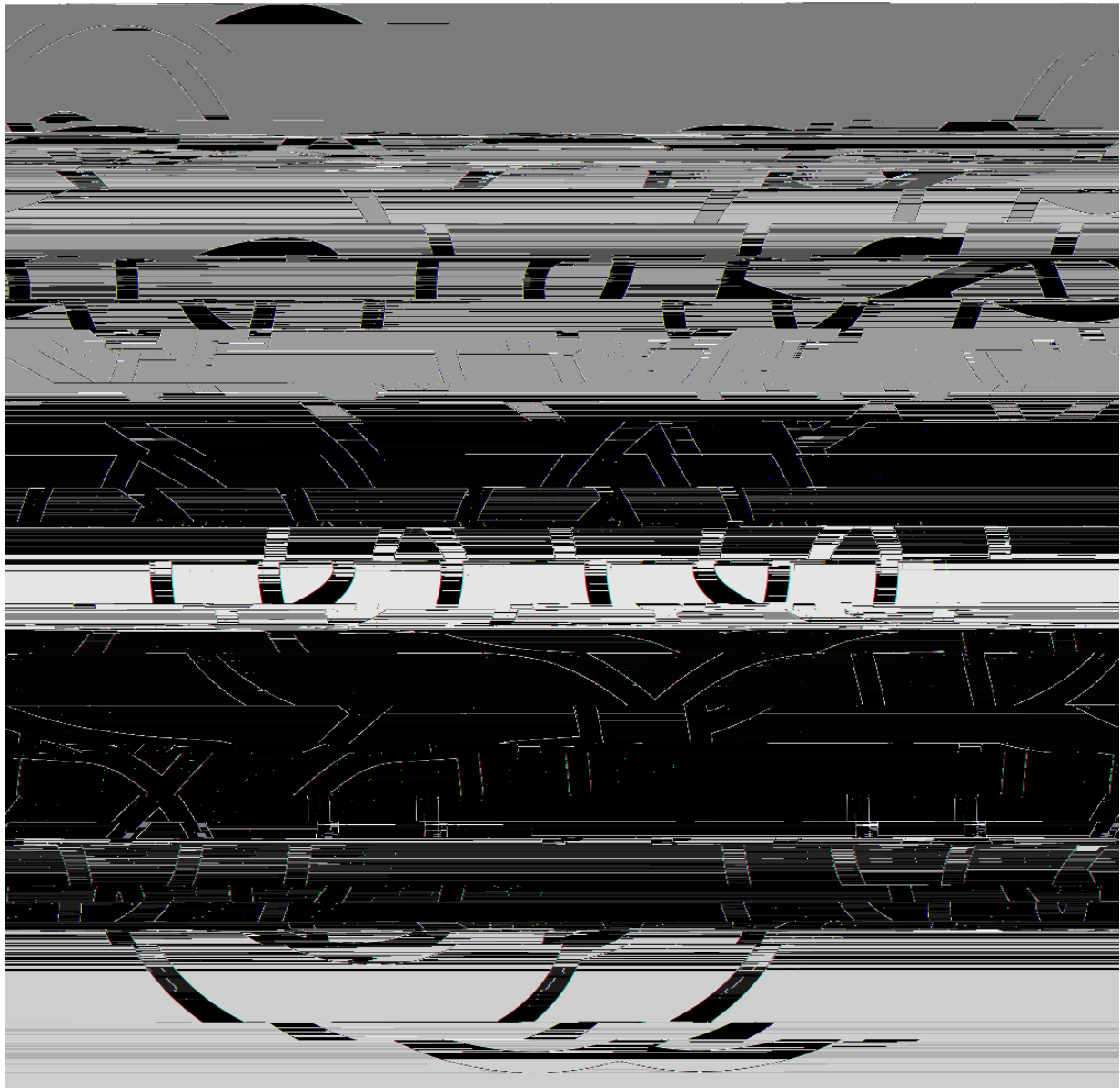
UNA Mathematics Department

Directions. Your challenge is to color the following knots using three colors. But there's a catch! You have to follow these rules:

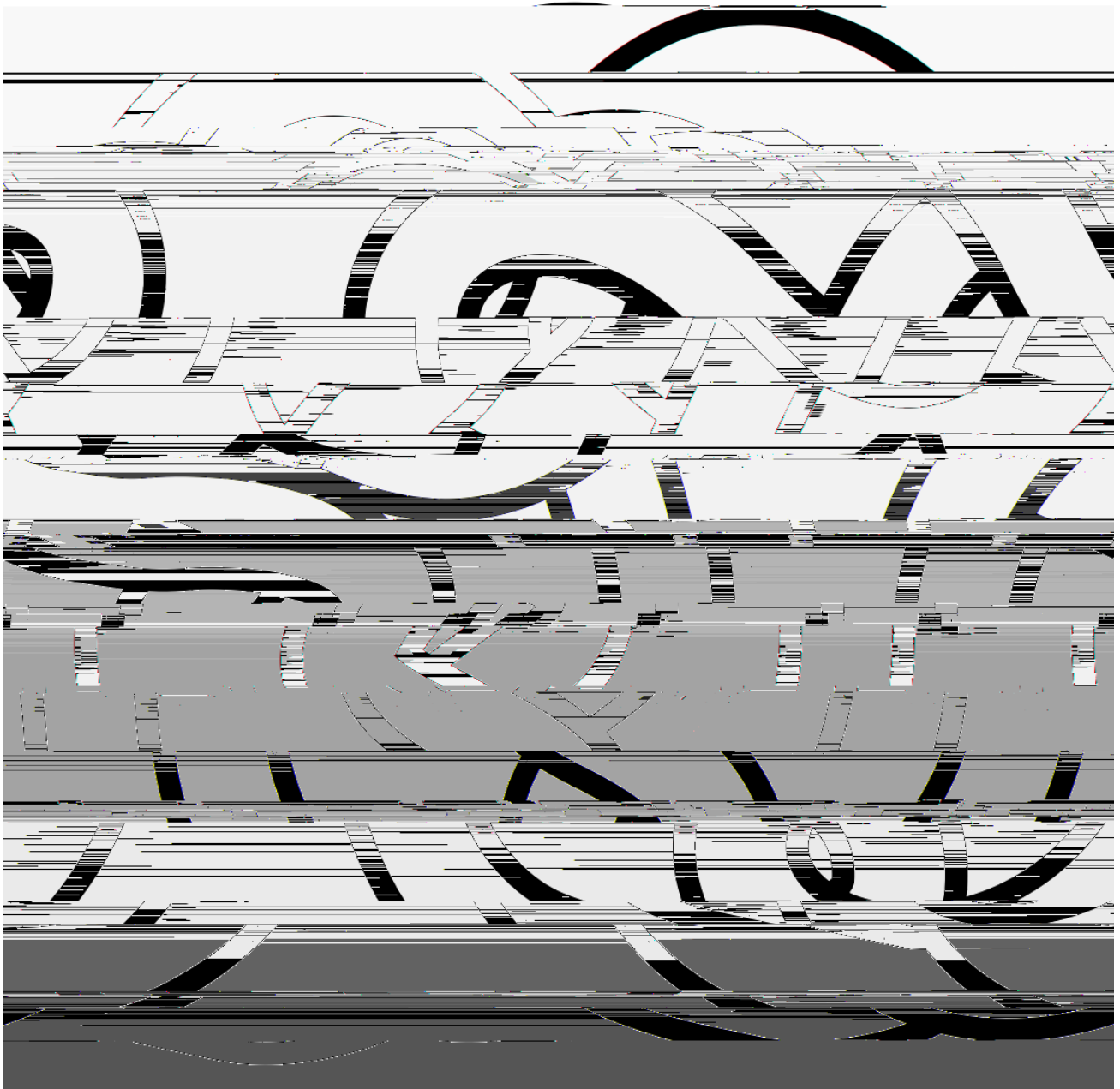
You have to use all three colors

Every time the strands cross, the three pieces coming together have to be either all the same color or all three different colors.

One can be colored using those rules and one cannot be. Can you figure out which is which? For answers, visit una.edu/math/knotactivity.html



The 8_1 Knot



The 8₁₁ Knot