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## Knot Colorings

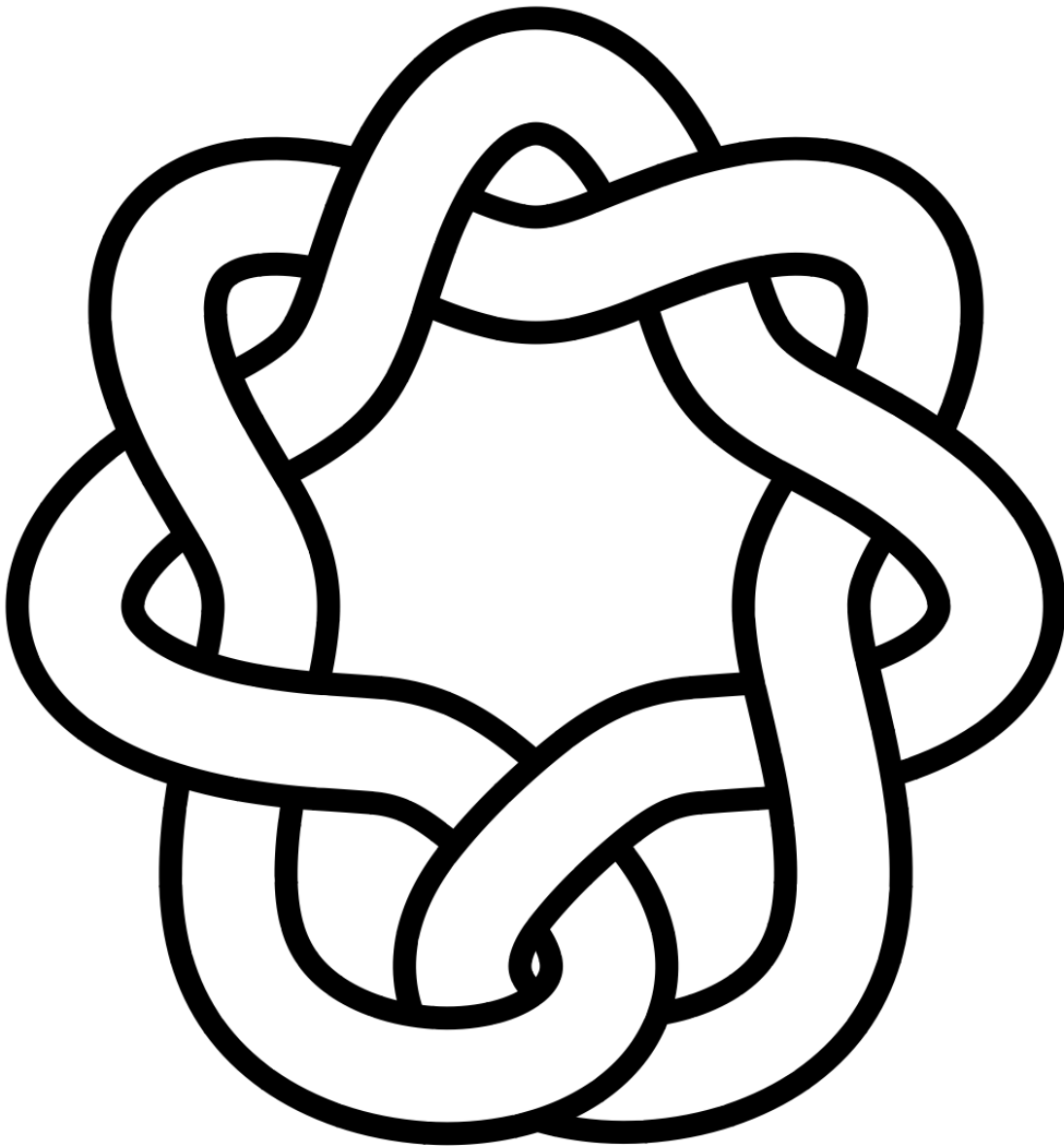
UNA Mathematics Department

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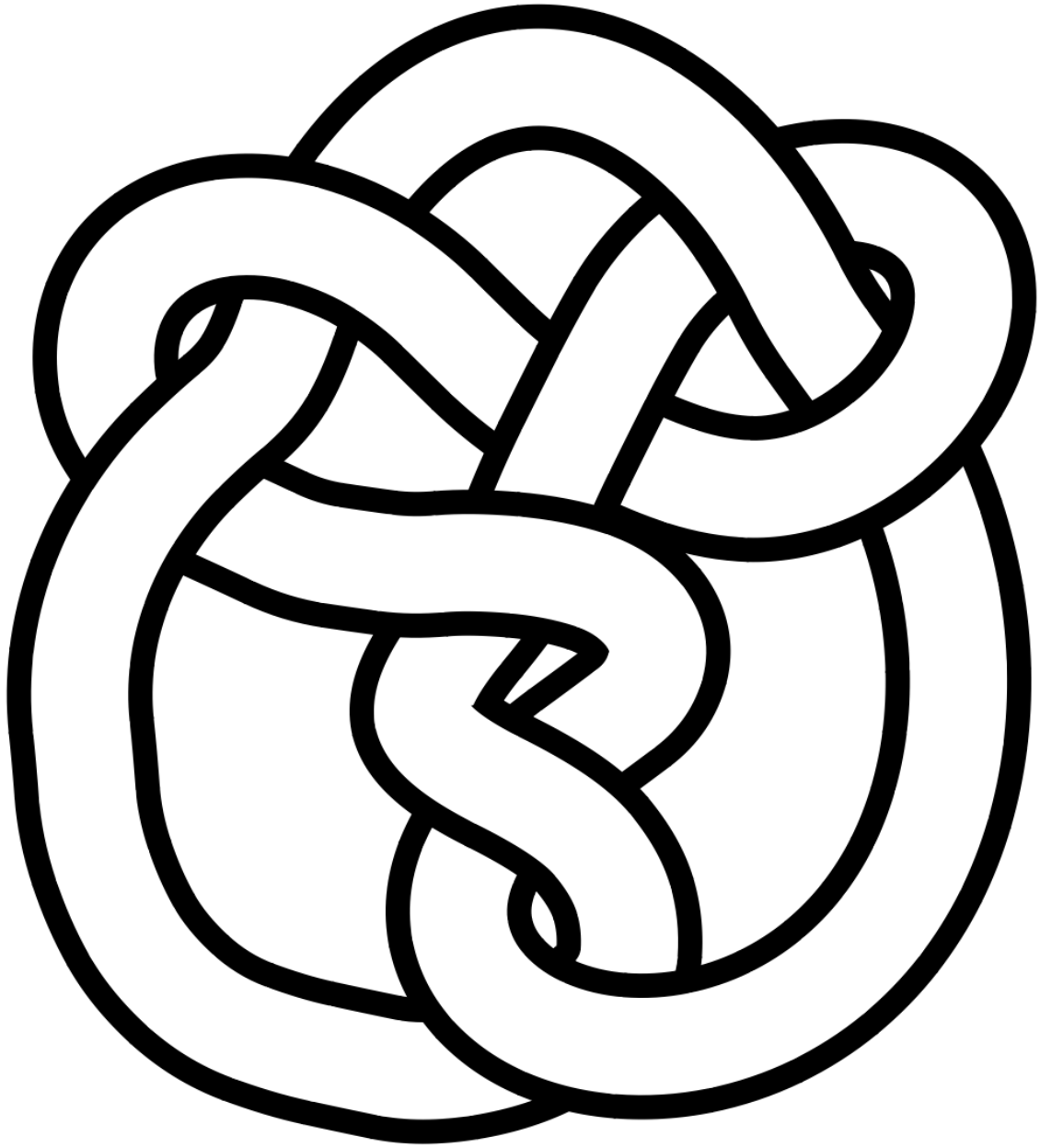
**Directions.** Your challenge is to color the following knots using three colors. But there's a catch! You have to follow these rules:

- 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](http://una.edu/math/knotactivity.html)



The  $\delta_1$  Knot



The  $8_{11}$  Knot