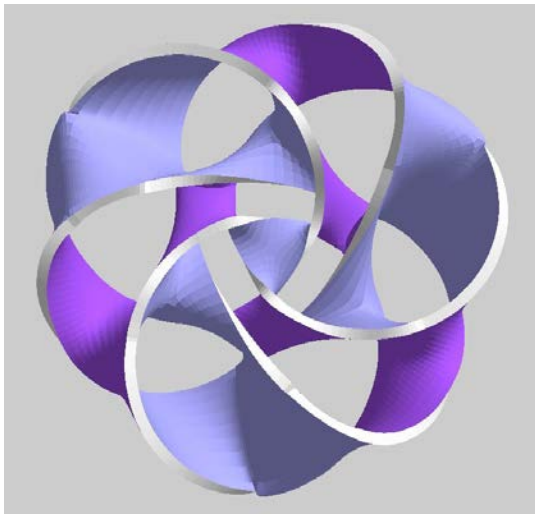
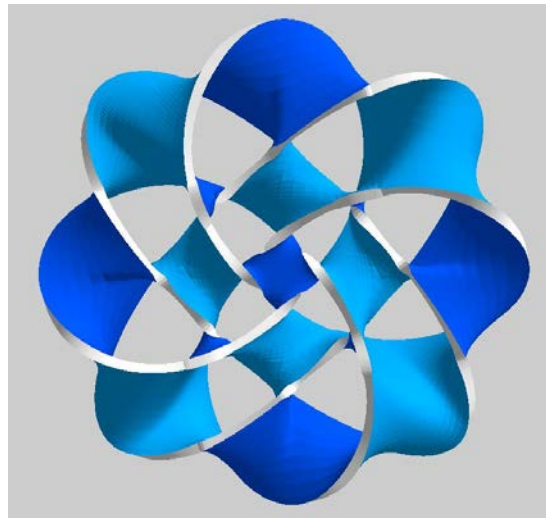


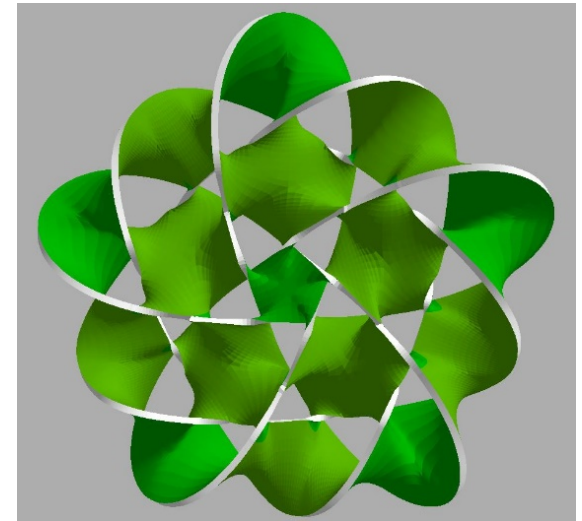
Worksheet: Torus-Knot Tangles: Can you trace the various knots in these images?



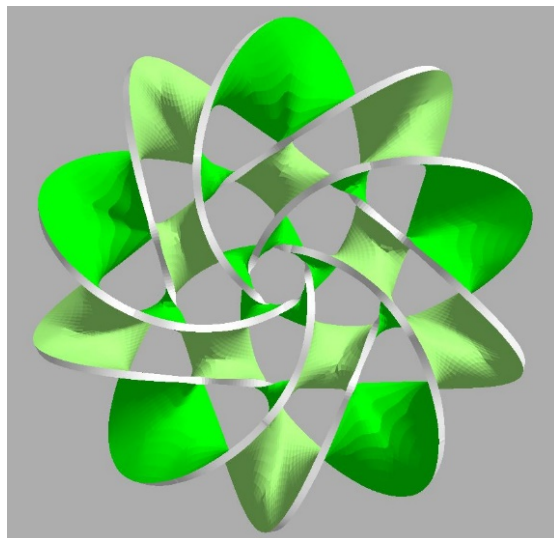
Tkt(3,2+3): Single-sided: T / F ?



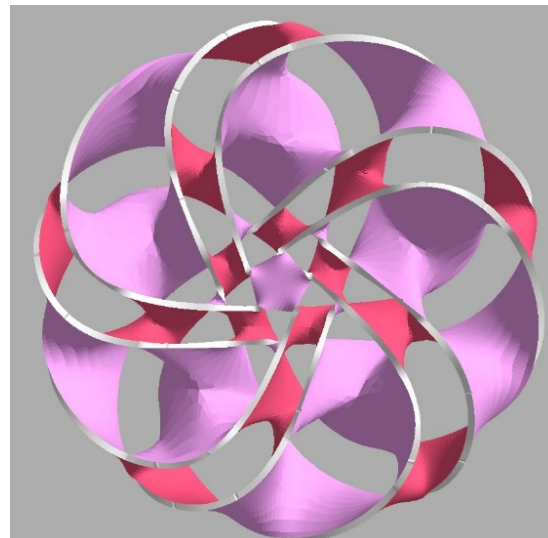
Tkt(4,2+3): Single-sided: T / F ?



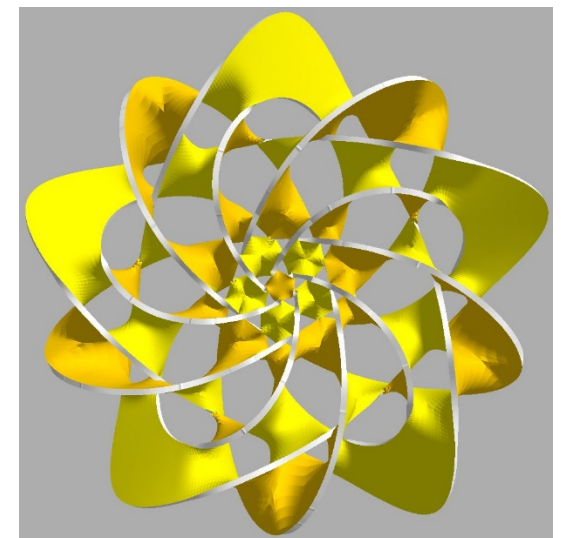
Tkt(5,2+3): Single-sided: T / F ?



Tkt(5,2+4): Single-sided: T / F ?



Tkt(5,3+4): Single-sided: T / F ?



Tkt(5,2+3+4): Single-sided: T / F ?

Which ones of these soap-film surfaces are single-sided (like a Moebius band) ?

Carlo H. Séquin, University of California, Berkeley, October 2018