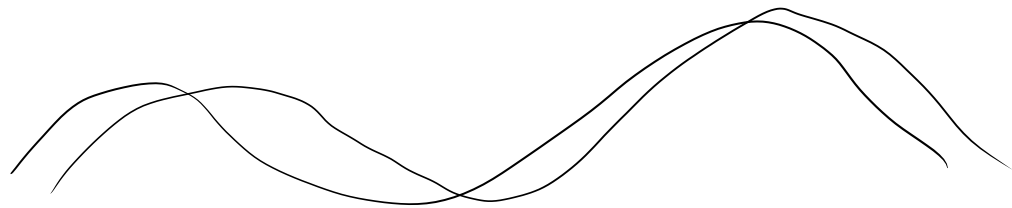
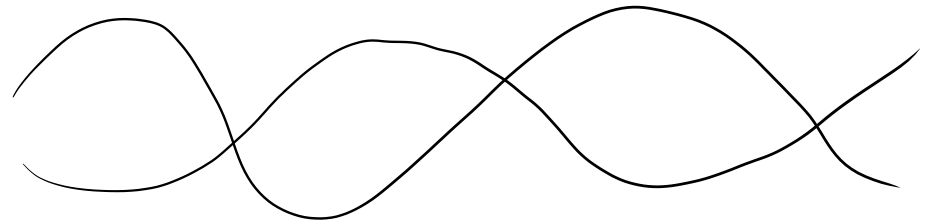
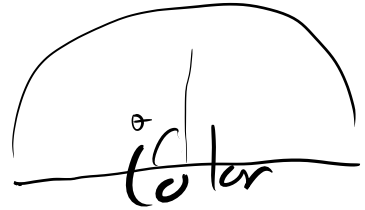
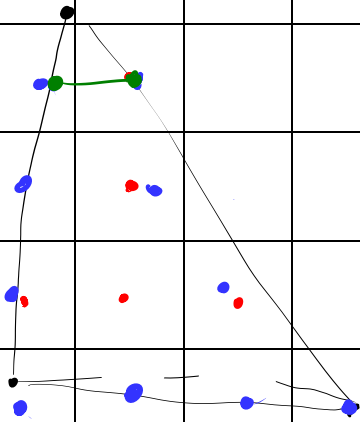
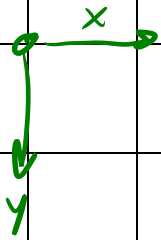


Bird Feathers

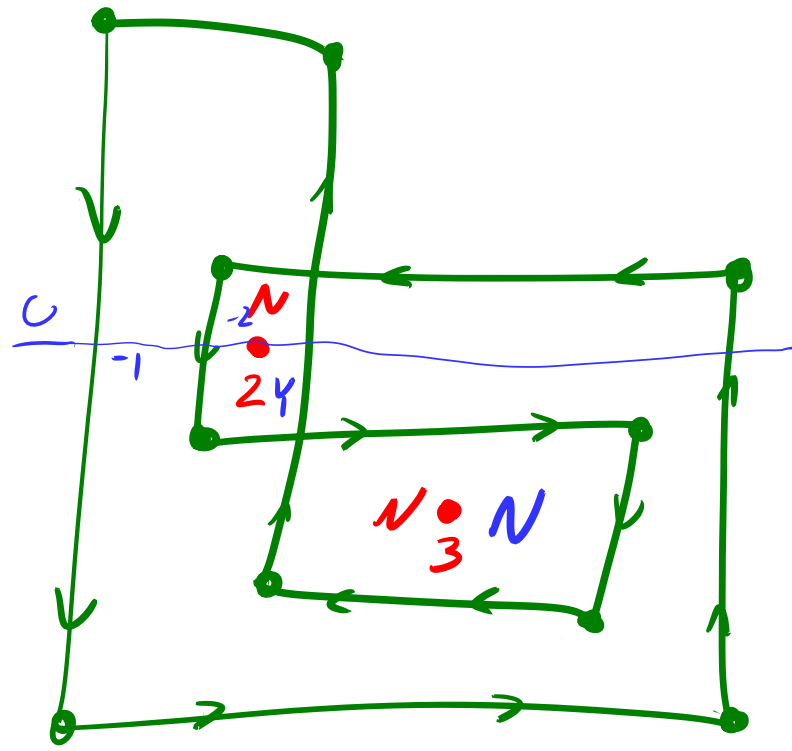
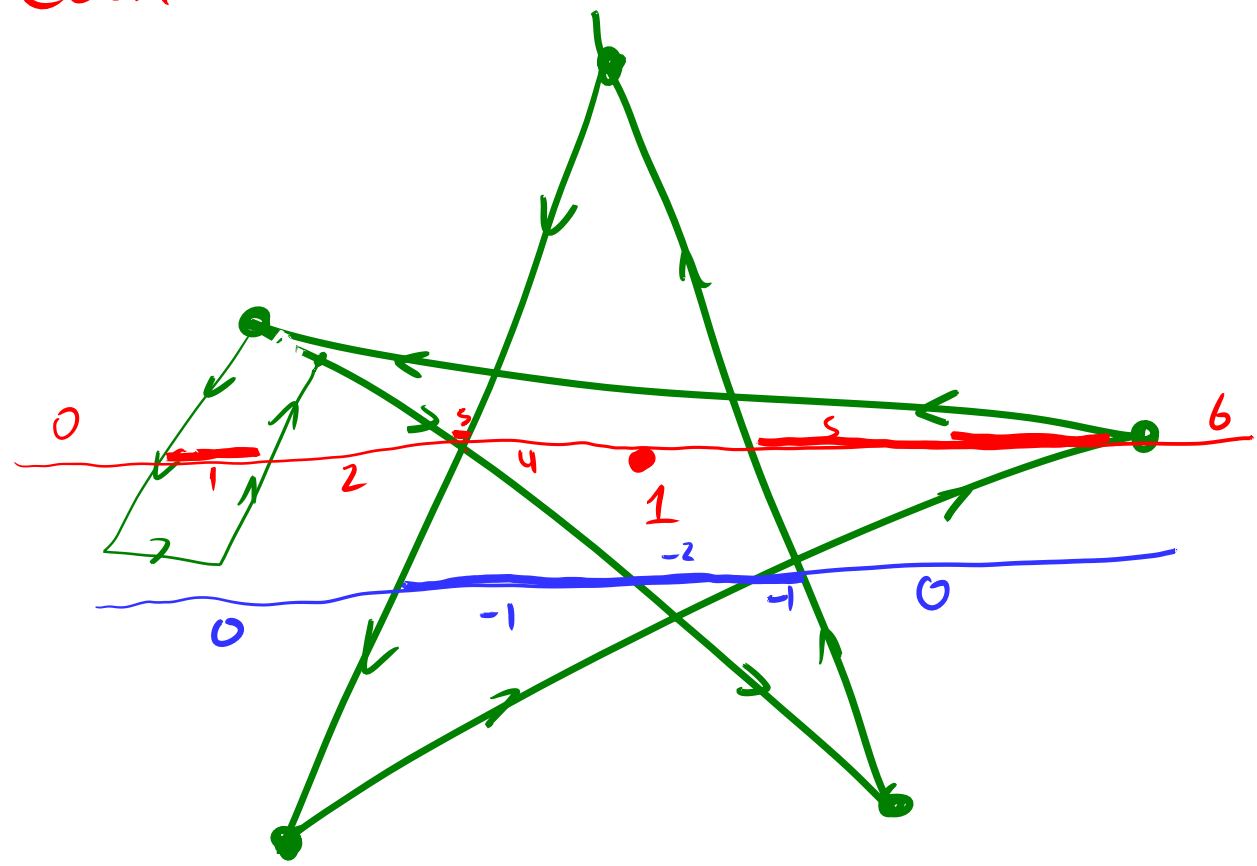




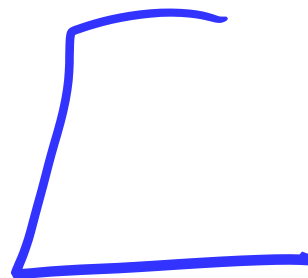
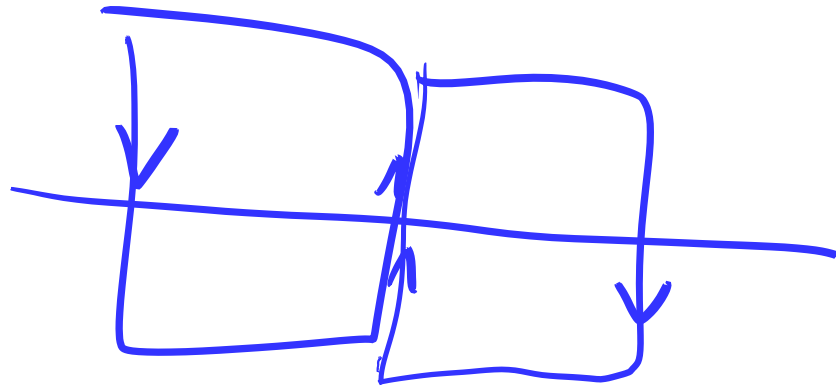
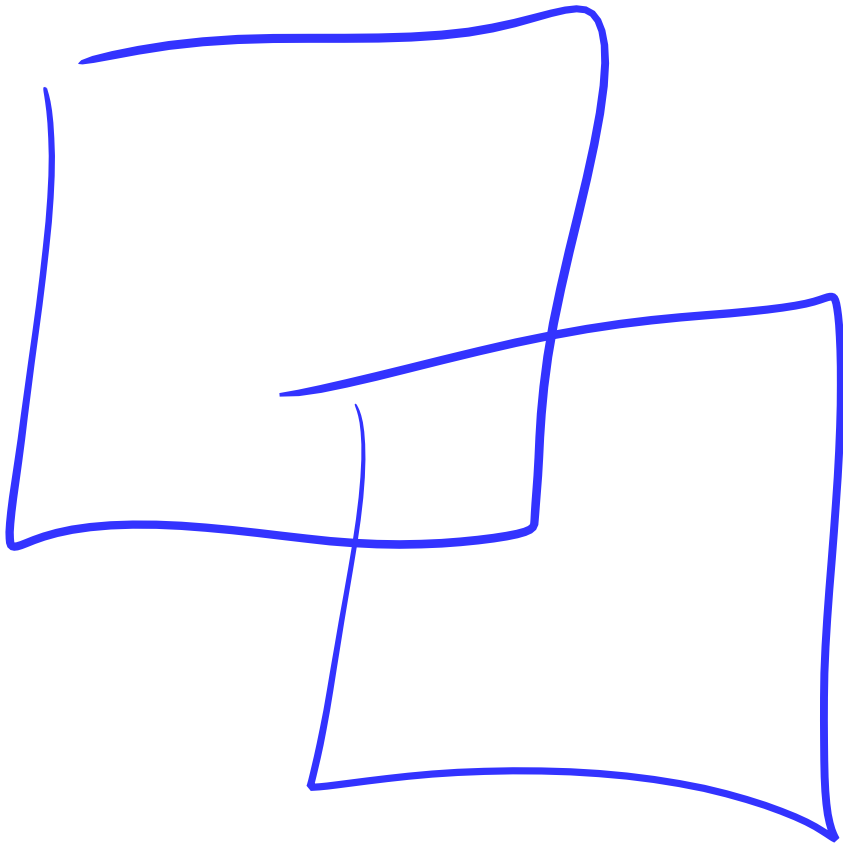
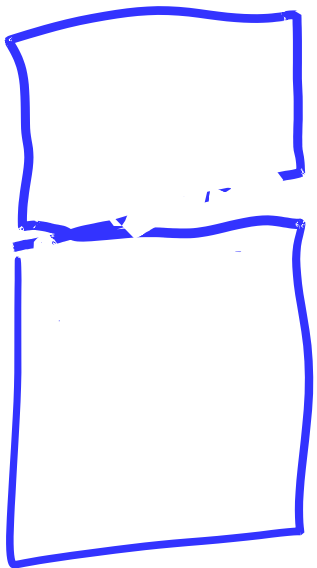
↑ edges

→ f.1)

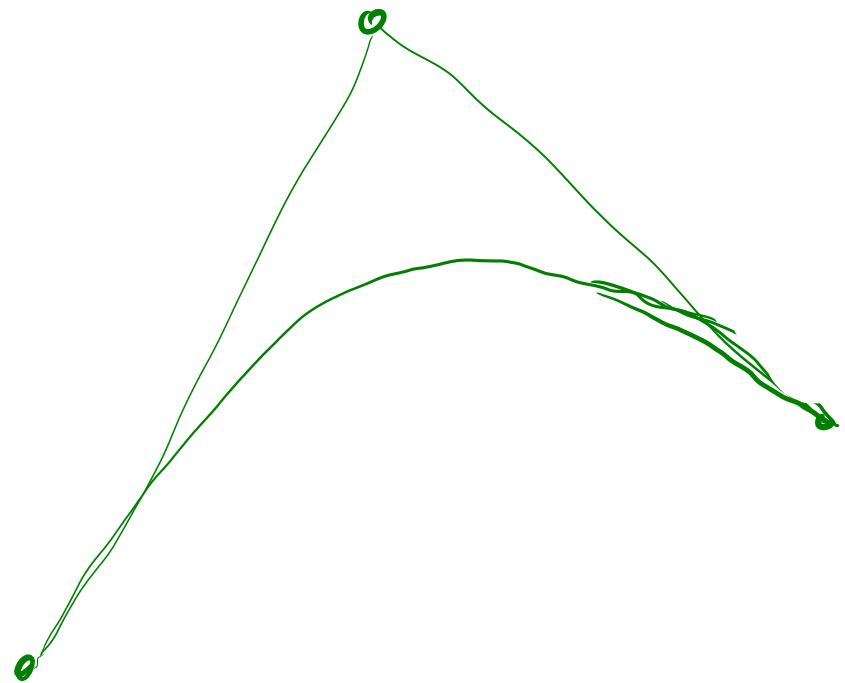
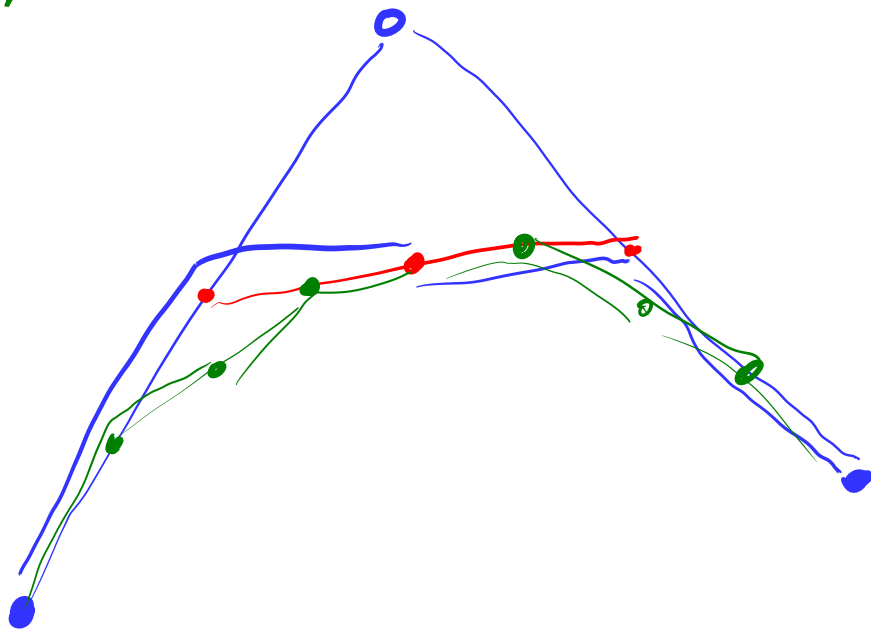
even-odd

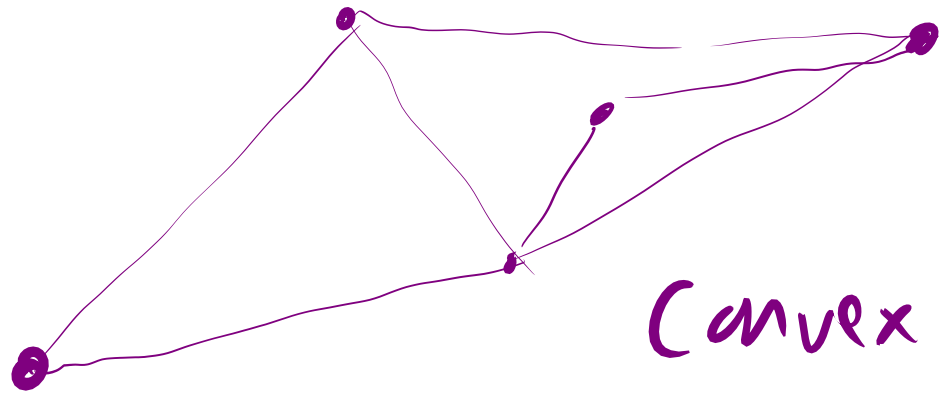
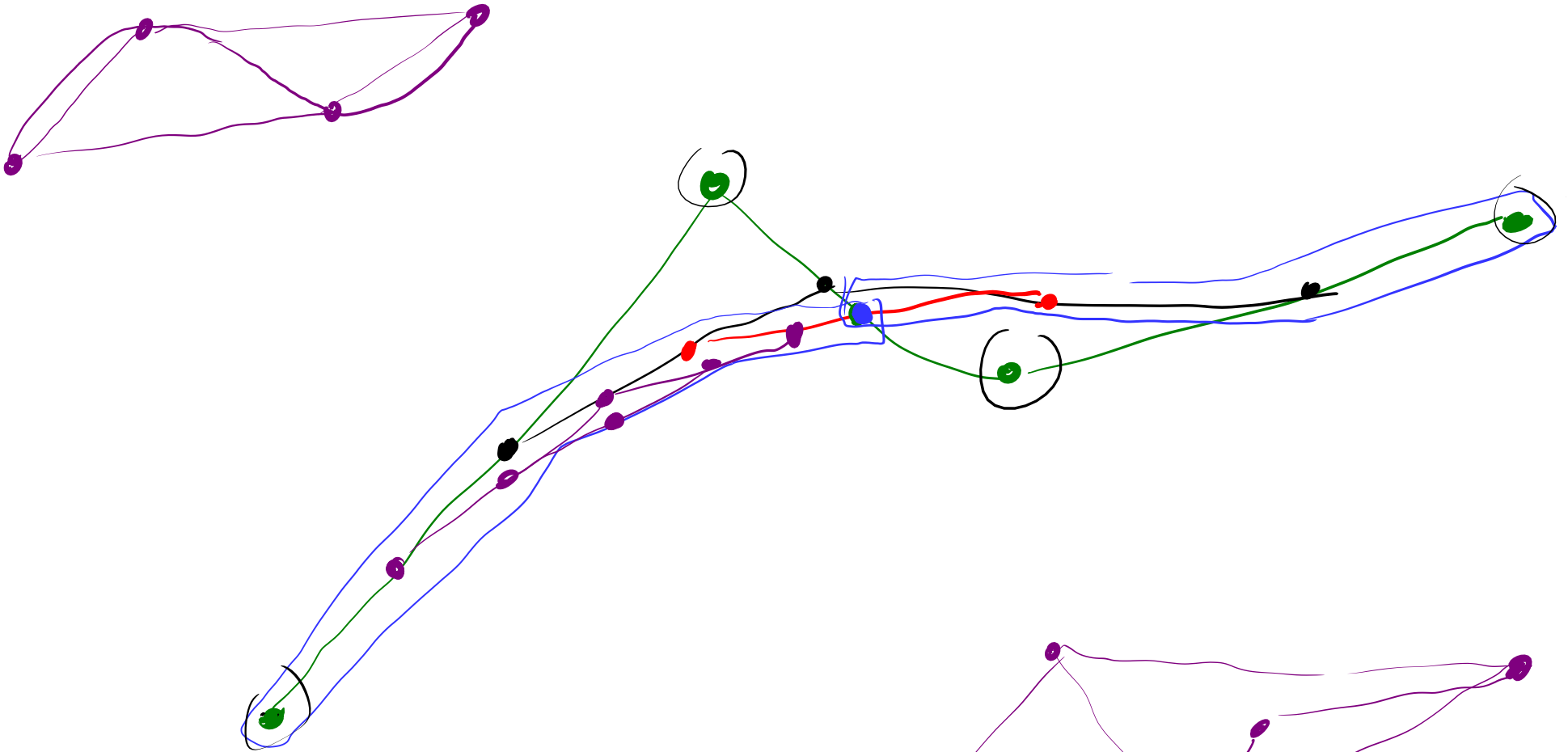


non-zero winding



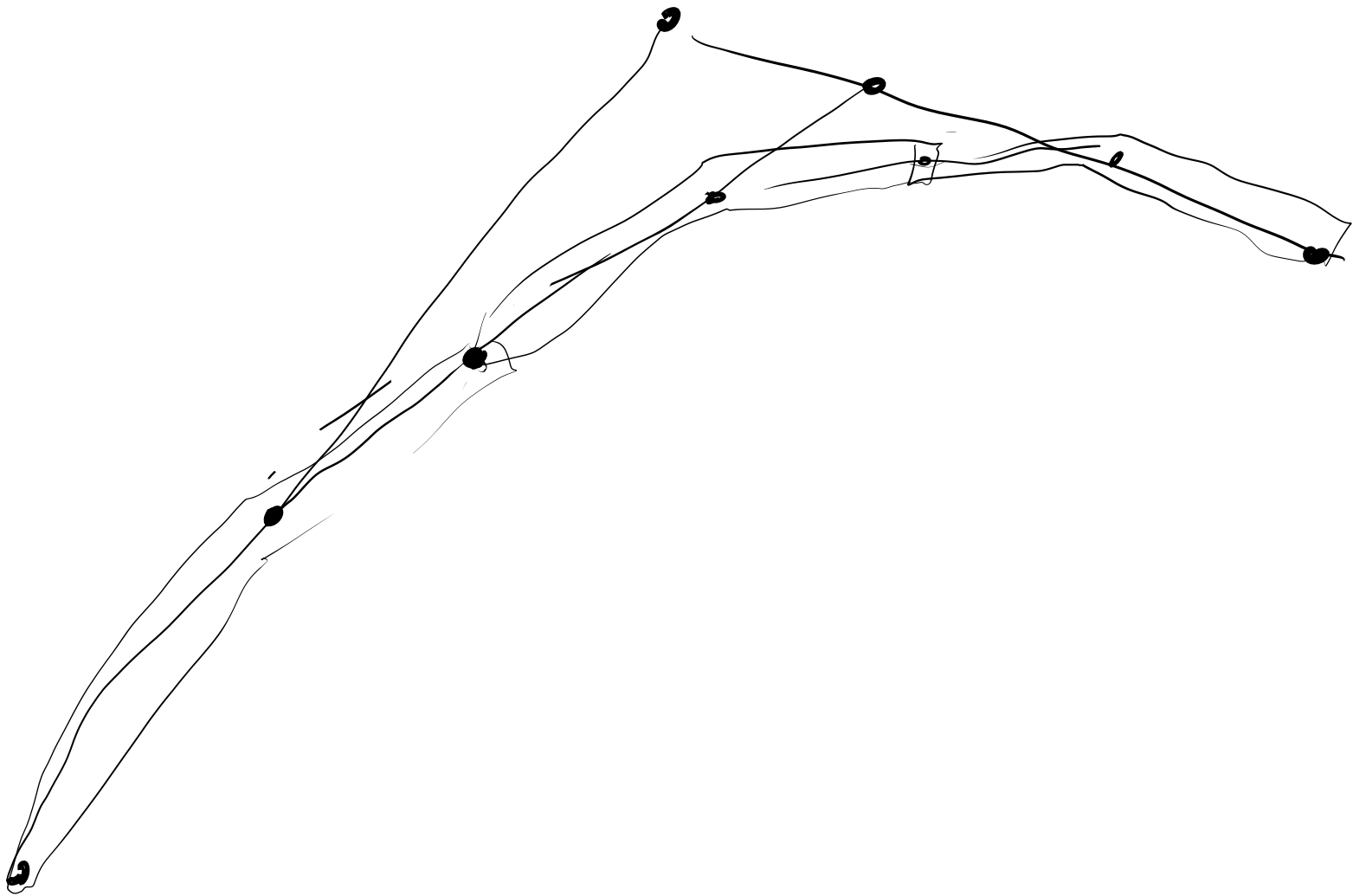
Bézier





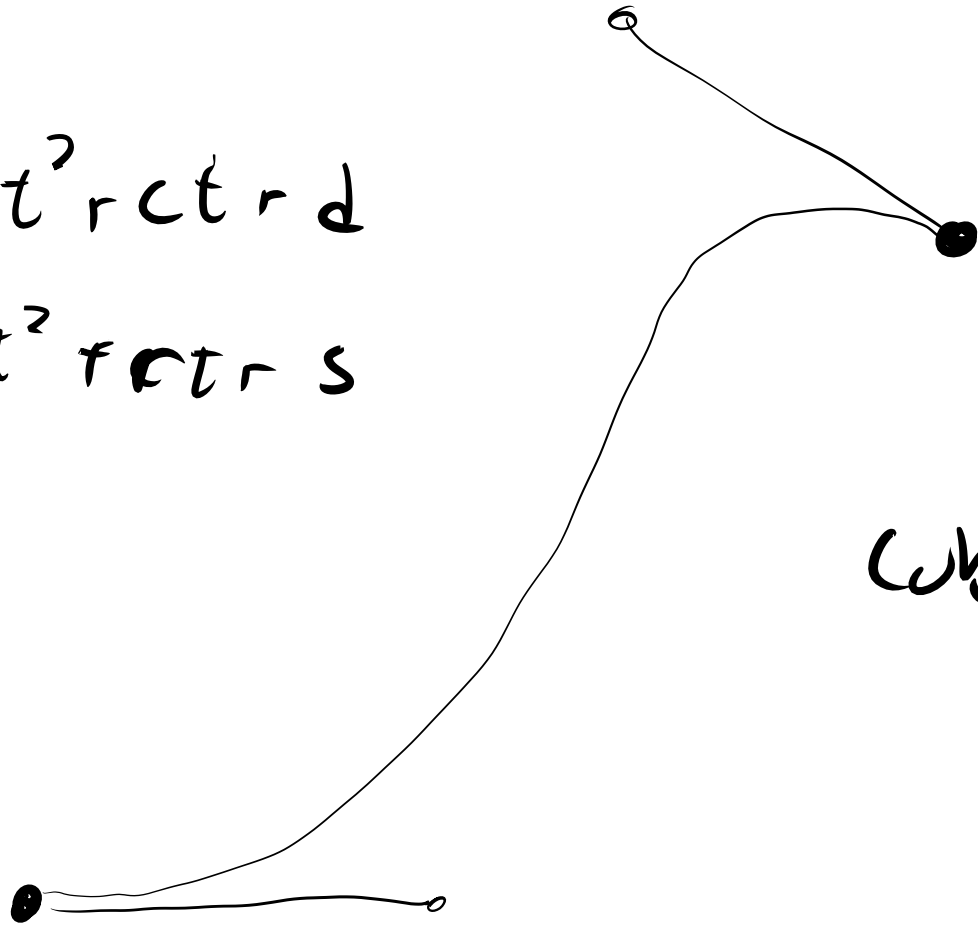
Convex hull

Numerical
Stability



$$X(t) = at^3 + bt^2 + ct + d$$

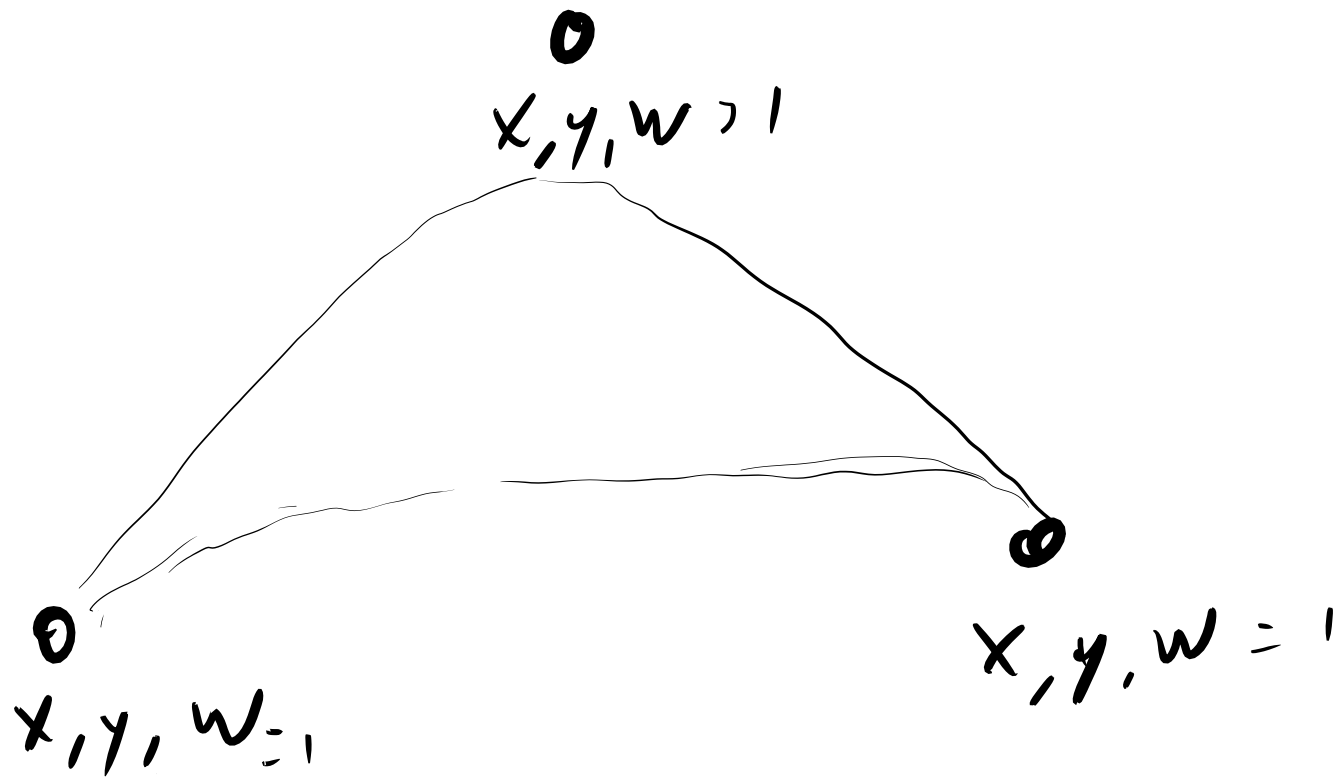
$$Y(t) = pt^3 + qt^2 + rt + s$$

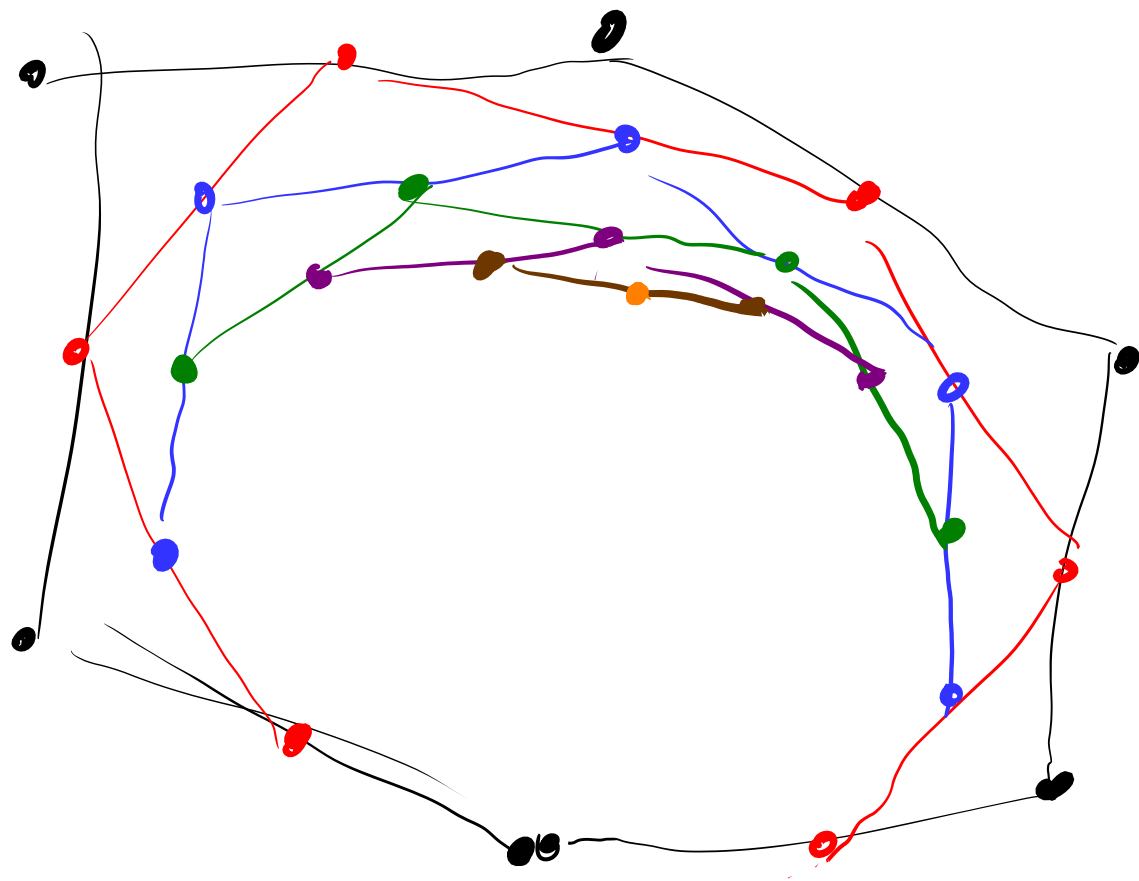


Cubic Bézier

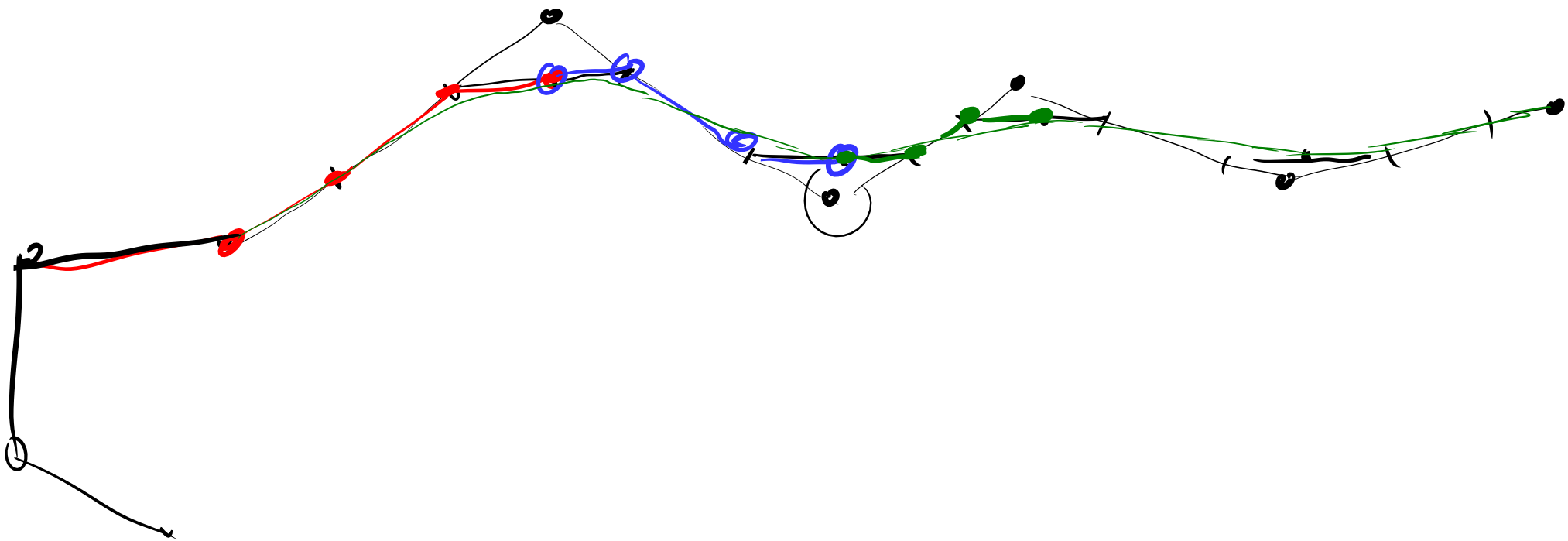
Rational Bézier curve

$$\frac{x}{w}, \frac{y}{w}$$



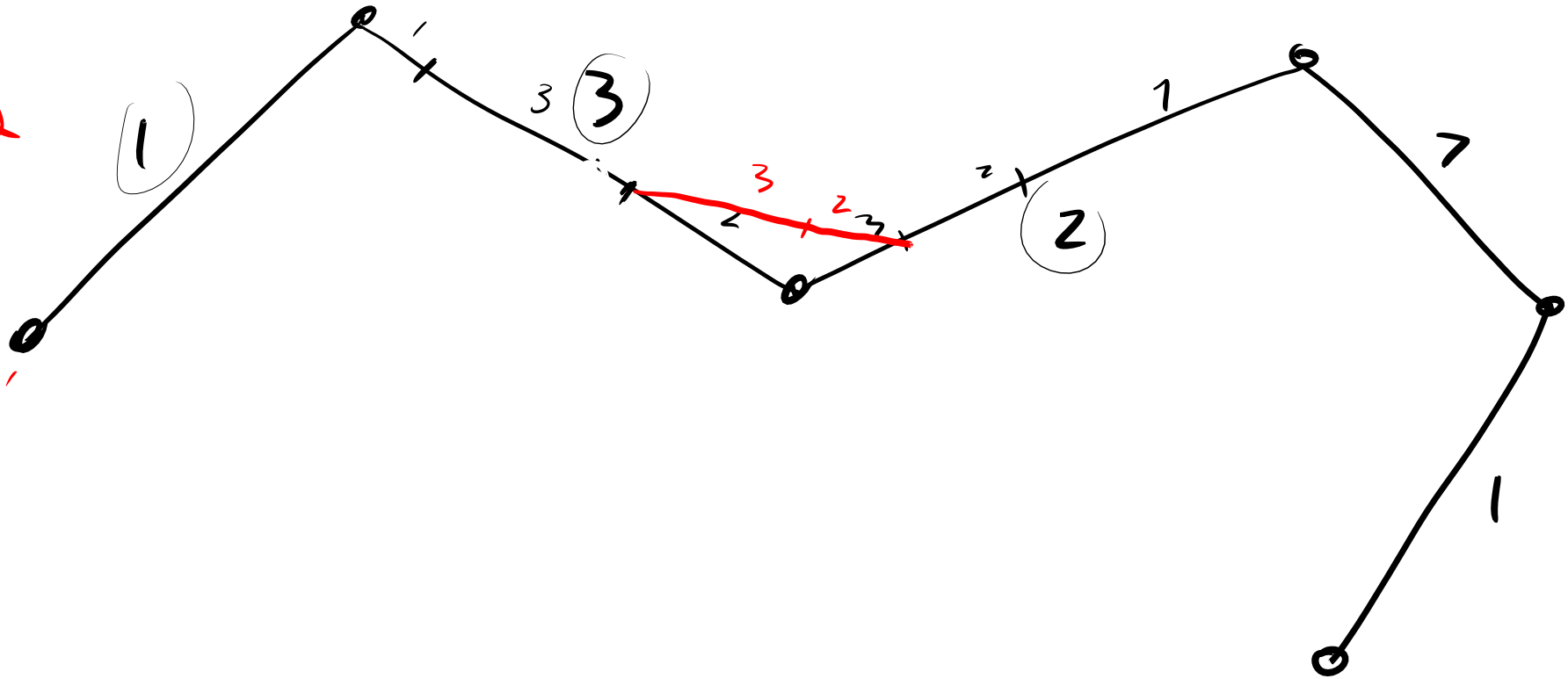


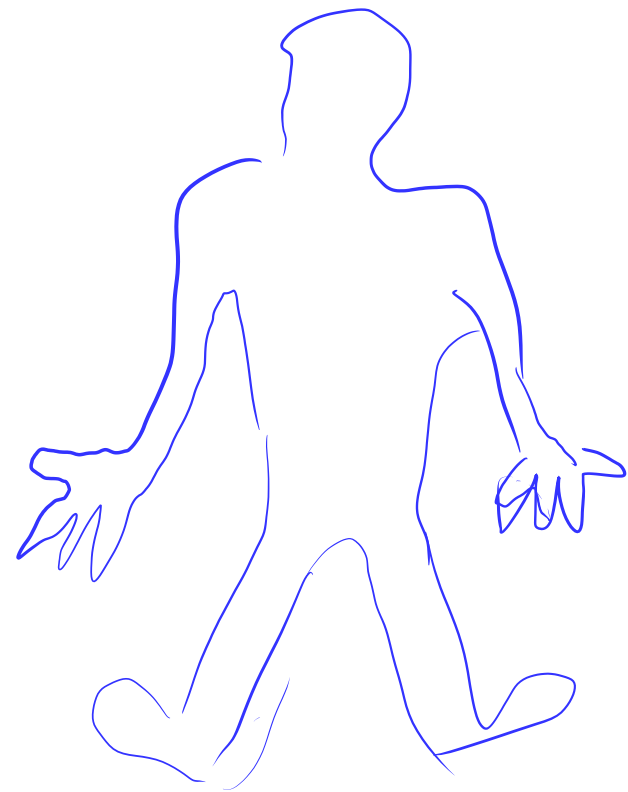
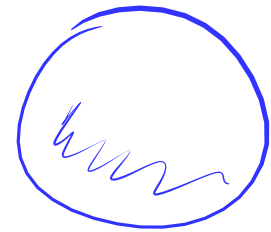
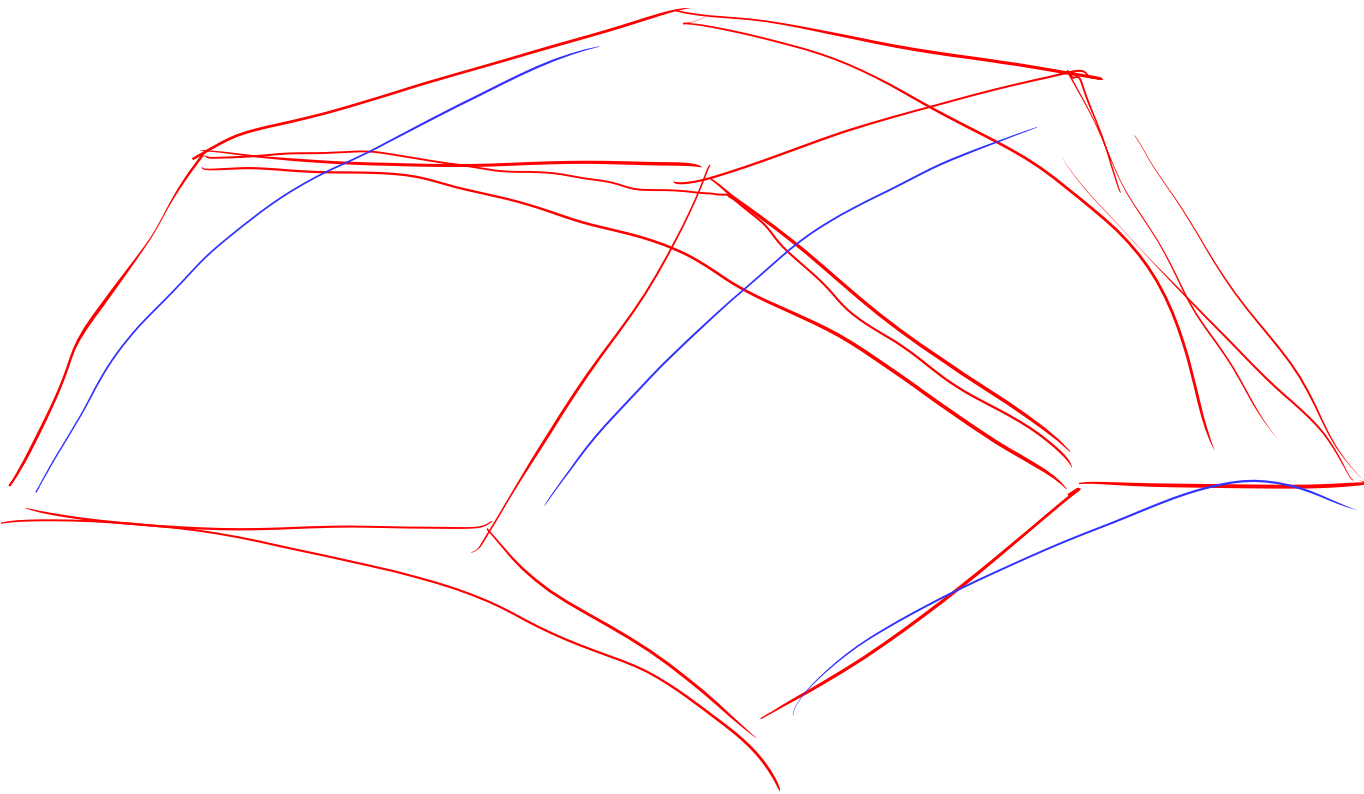
B-Spline

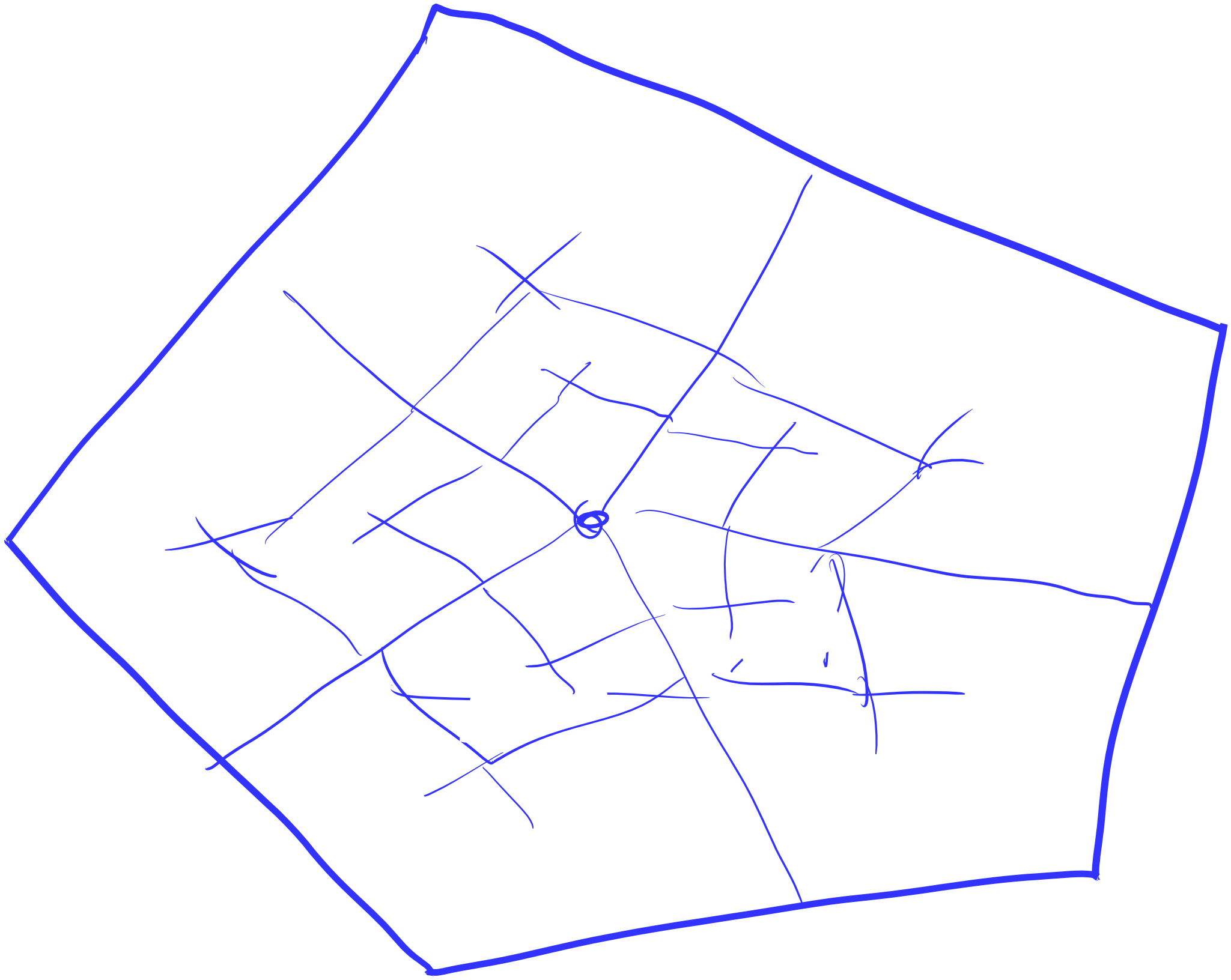


NURBS

Non-uniform
Rational
B-spline







$$(x - C_x)^2 + (y - C_y)^2 - r^2 = 0$$

$$x^2 + y^2 + b^2 = 0$$

$$(6, 0)$$

$$(0, 6)$$

$$(-6, 0)$$

$$(0, -6)$$

