



Figure VIII.16: Two ways to form a complete circle with a quadratic B-spline curve. The first curve has knot vector  $[0, 0, 0, 1, 1, 2, 2, 3, 3, 4, 4, 4]$  and the control points  $\mathbf{p}_i$  have weight 1 when  $i$  is even and weight  $\frac{\sqrt{2}}{2}$  when  $i$  is odd. The second curve has knot vector  $[0, 0, 0, 1, 1, 2, 2, 3, 3, 3]$  and the control points  $\mathbf{p}_i$  have weight 1 when  $i$  is even and weight  $\frac{1}{2}$  when  $i$  is odd.