Control Polygon

A Bézier curve p of degree $\leq n$ in \mathbb{R}^d has a parametrization in terms of Bernstein polynomials:

$$p(t) = \sum_{k=0}^{n} c_k b_k^n(t)$$

with t in the standard parameter interval [0, 1].



The coefficients $c_k = (c_{k,1}, \ldots, c_{k,d})$ can be combined into an $(n+1) \times d$ array C. They are called control points and form the control polygon c for p.