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A counterexample on point inversion and projection for NURBS curve

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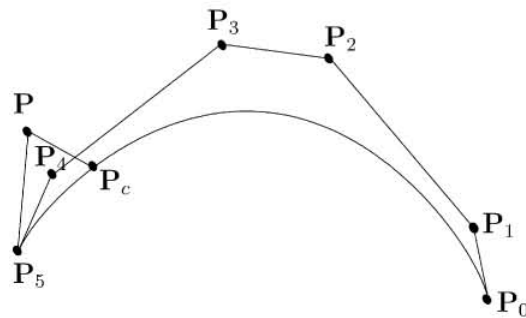


Fig. 1. A counterexample.

As shown in Fig. 1, the nearest point on a Bézier curve in \mathbb{R}^3 space with the control points $\{P_i\}$ to the test point P is P_c , while from the algorithm in (Ma and Hewitt, 2003), the nearest point is P_5 , which is an end point of the curve.

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