

## Exercise 5 - Demos

### Sources:

<http://mathworld.wolfram.com/BezierCurve.html>

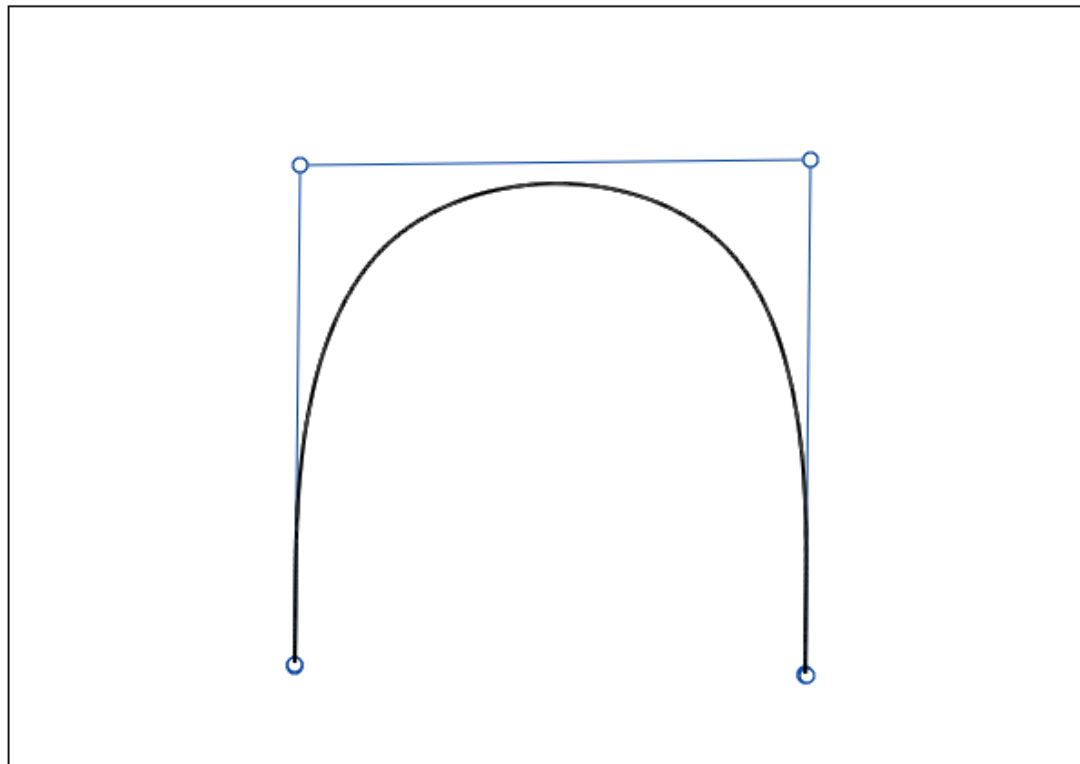
<http://mathworld.wolfram.com/B-Spline.html>

<https://en.wikipedia.org/wiki/B-spline>

<https://bsplines-eth.renuo.ch/>

<http://www.idav.ucdavis.edu/education/CAGDNotes/Bernstein-Polynomials.pdf>

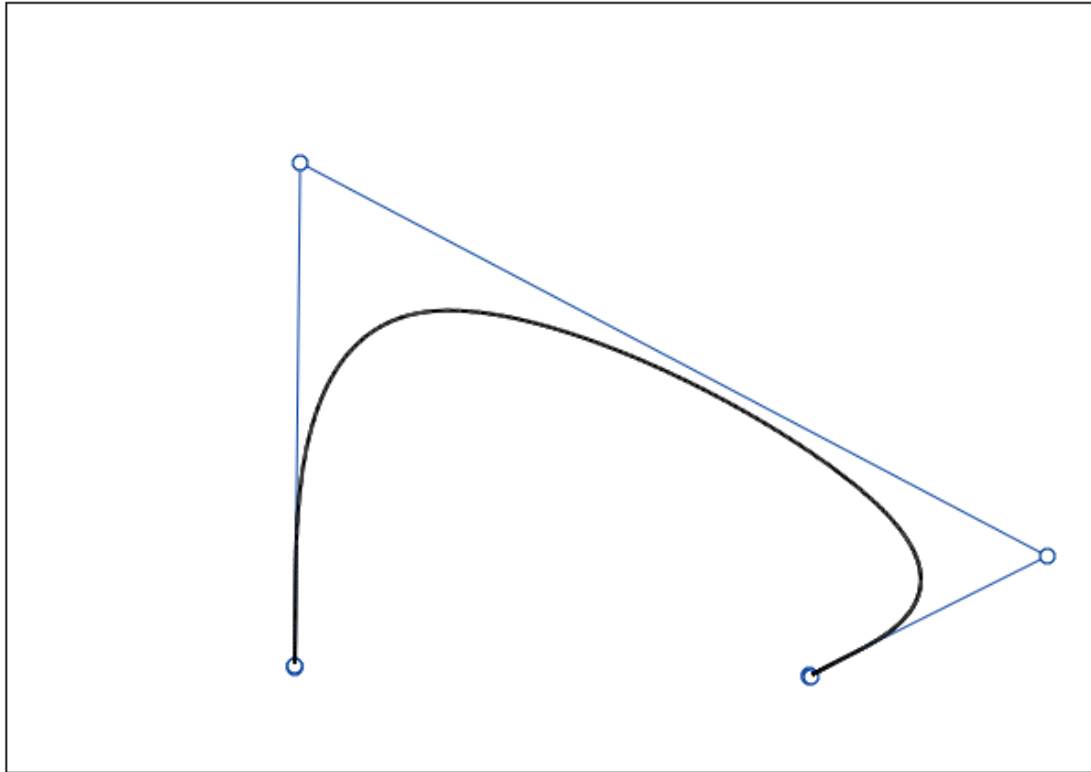
## Moving the tangent of a bspline endpoint 1



☒ Show spline nodes ☐ Show Bézier nodes ☐ Show construction [Clear Canvas](#)

☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9

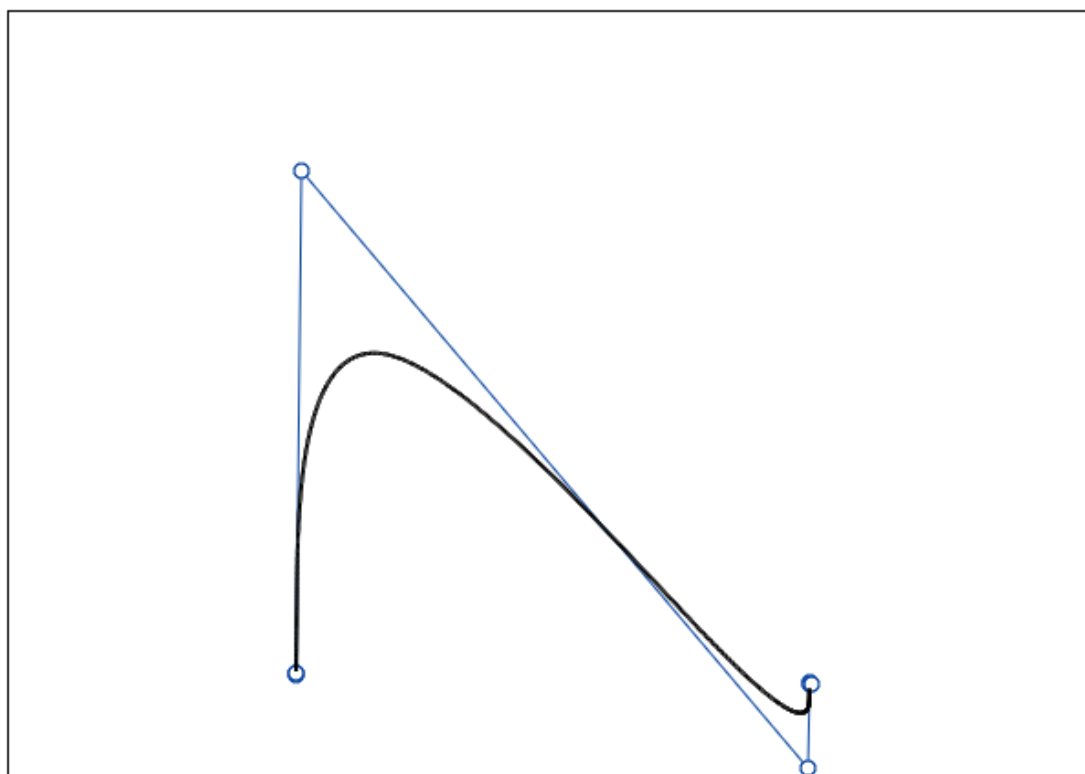
● t = 0.00



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☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9

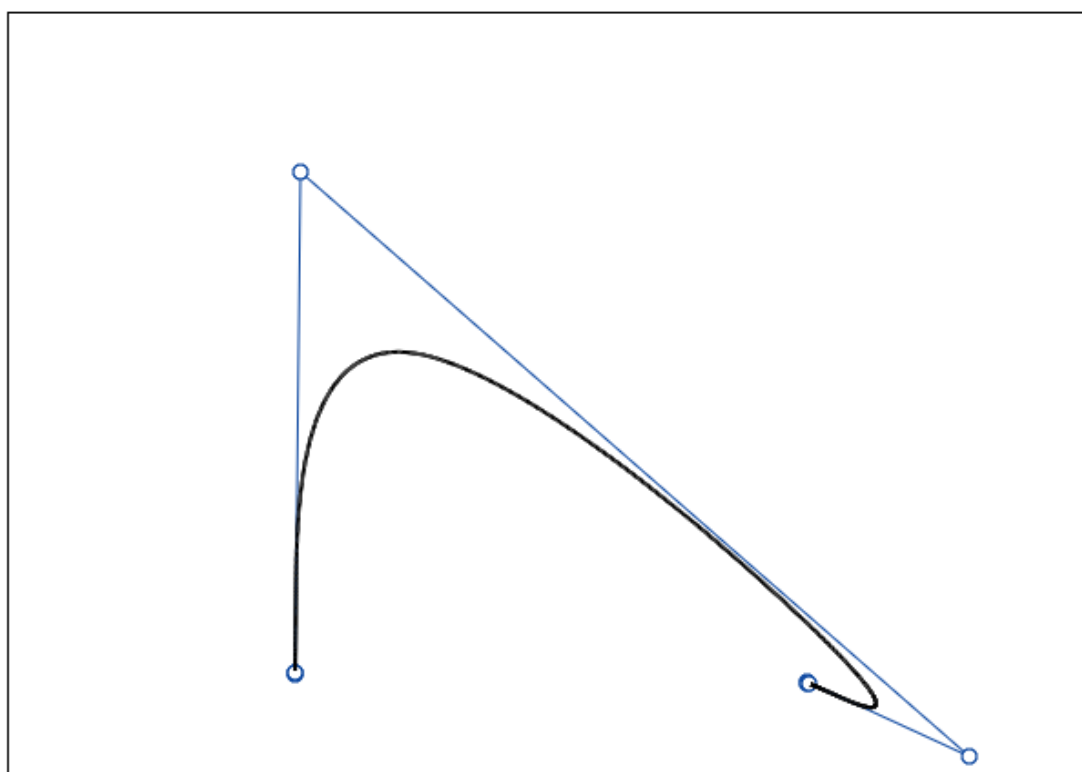
●  $t = 0.00$



☒ Show spline nodes   ☐ Show Bézier nodes   ☐ Show construction   [Clear Canvas](#)

☐ 0   ☐ 1   ☐ 2   ☐ 3   ☐ 4   ☐ 5   ☐ 6   ☐ 7   ☐ 8   ☐ 9

●  $t = 0.00$

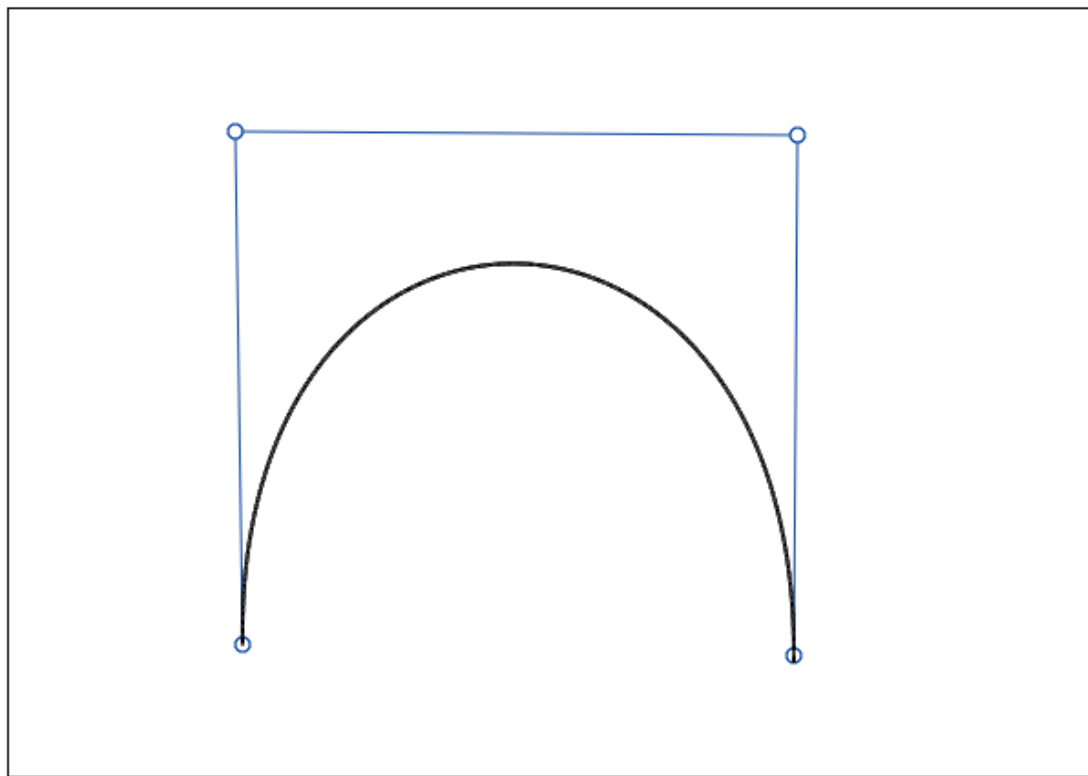


☒ Show spline nodes   ☐ Show Bézier nodes   ☐ Show construction   [Clear Canvas](#)

○ 0   ○ 1   ○ 2   ○ 3   ○ 4   ○ 5   ○ 6   ○ 7   ○ 8   ○ 9

● t = 0.00

## Moving the tangent of a bspline endpoint 2

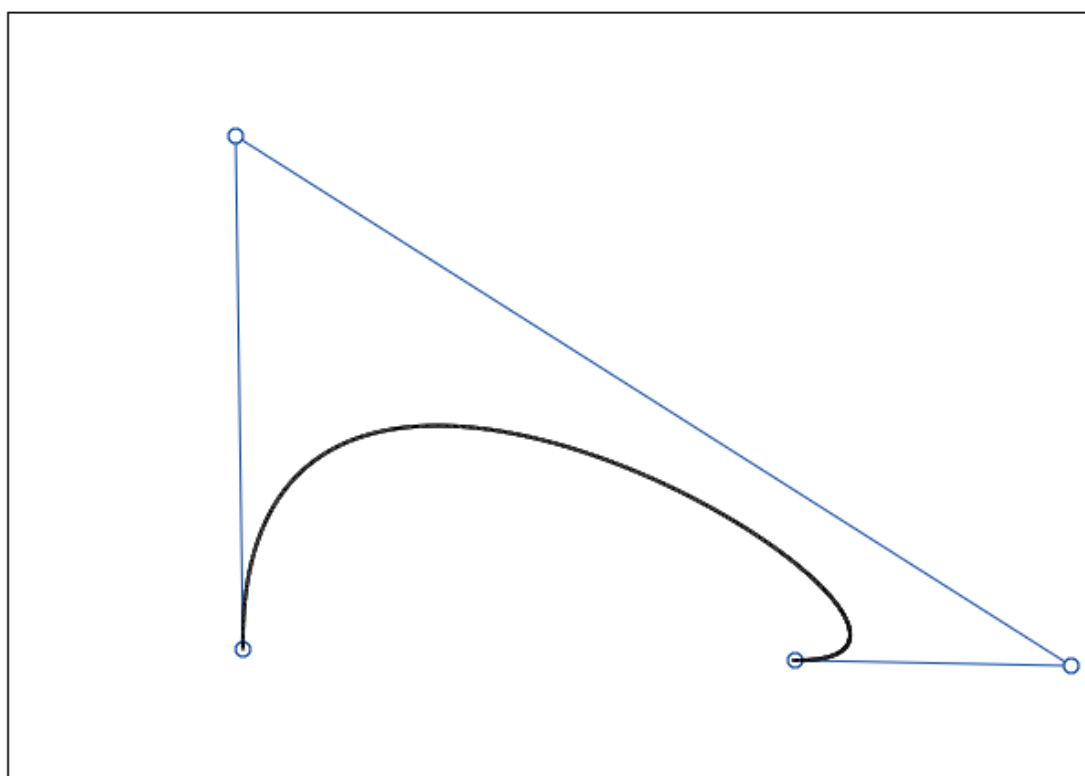


☒ Show spline nodes ☐ Show Bézier nodes ☐ Show construction [Clear Canvas](#)

○ a

○ b


● t = 0.00

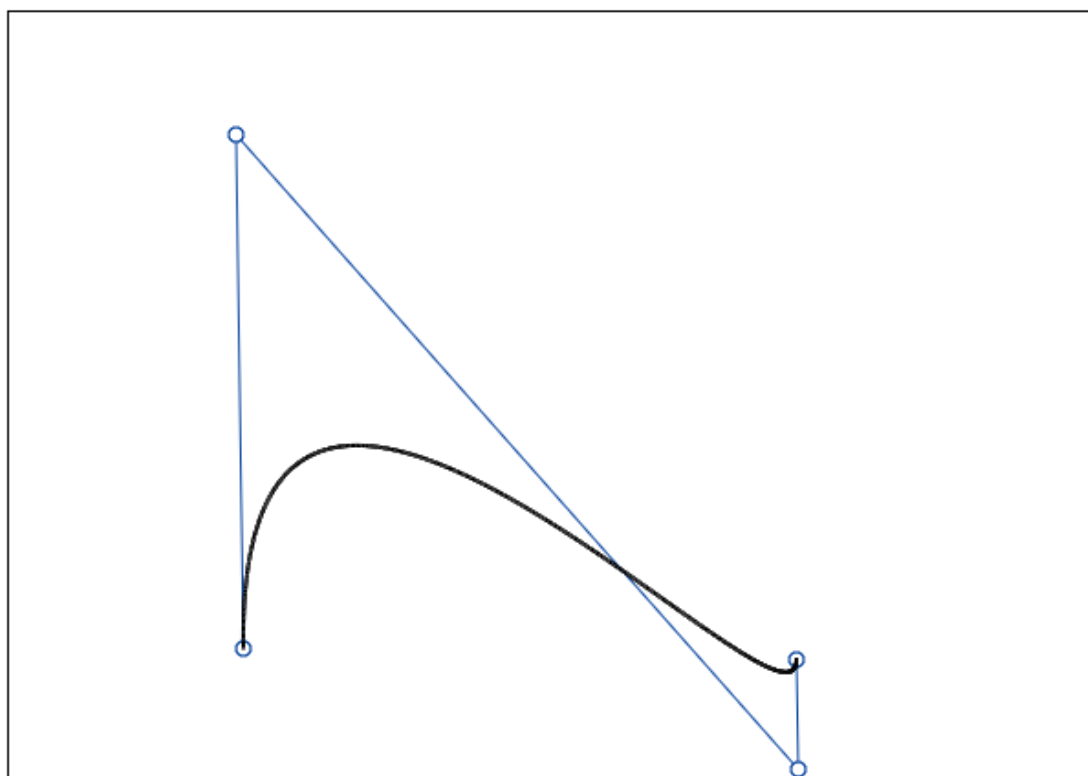


☒ Show spline nodes ☐ Show Bézier nodes ☐ Show construction [Clear Canvas](#)

  $t = 0.00$



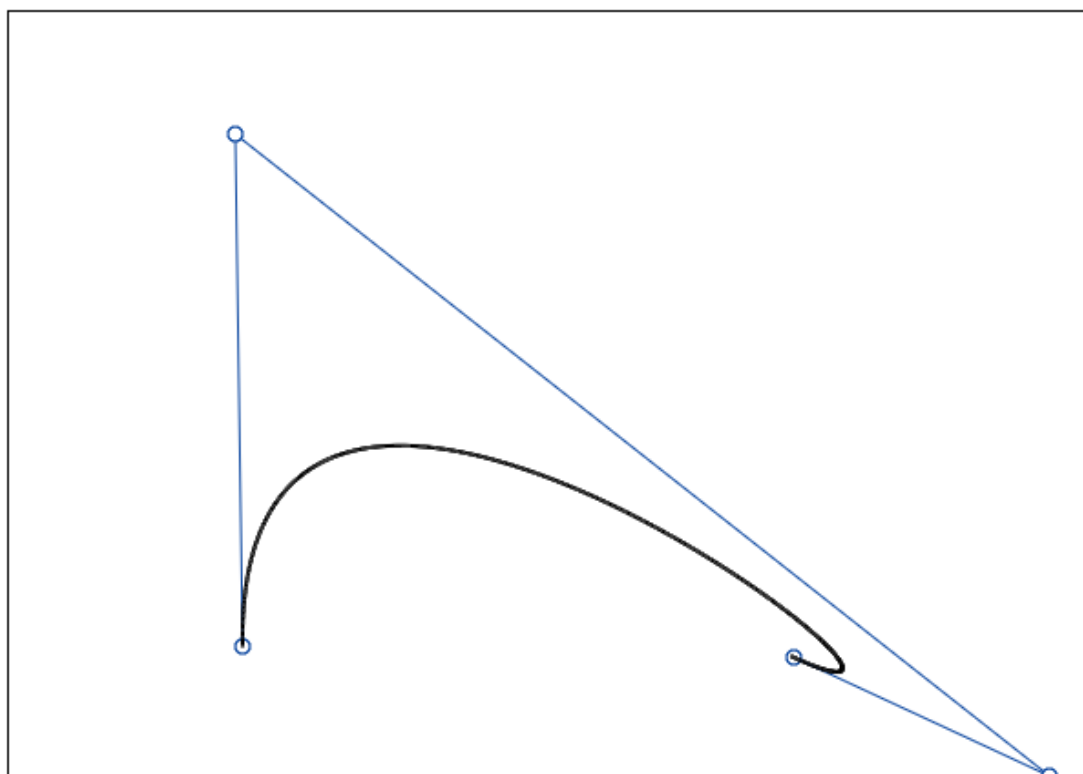
☒ Show spline nodes   ☐ Show Bézier nodes   ☐ Show construction   [Clear Canvas](#)

1

2

●  $t = 0.00$






☒ Show spline nodes ☐ Show Bézier nodes ☐ Show construction [Clear Canvas](#)

  $t = 0.00$

## Bernstein Polynomials

