If we restrict to , we can let the parametric equation define our curve if we set up for points to various different values.

For instance, if we set to and to . We are sure that the endpoints of the curve are correct. We can define two middle points to other values of . But a Bezier curve defines the *derivative*at those end points instead.

We will define the *derivative* or to better call it the *speed* of the endpoints as and

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Using and

By

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By matrices we get:

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If we have