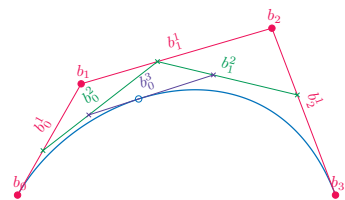


1 Courbes de Bézier



1.1 Triangle de Pascal

1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1

$(a + b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$

$(a + b)^n = \sum_{k=0}^n \binom{n}{k} x^k y^{n-k}$

$\binom{n}{k} = C_k^n = \frac{n!}{k!(n - k)!}$

1.2 Polynômes de Bernstein

$B_i^m(t) = \binom{m}{i} t^i (1 - t)^{m-i}$