

Bezier Motivations

De Casteljau \rightarrow Bernstein

Bernstein Form

Observations on Bases

Interpolation

Add to 1

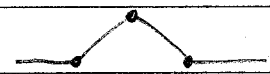
Derivatives @ zero

B-Splines -

continuity between segments

multi-segment bases

$C(d-1)$



\leftarrow how quick to turn around

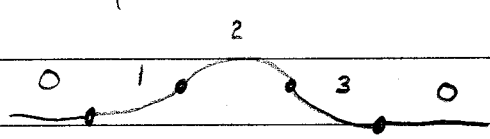
properties in general
application to points

for $d=2$

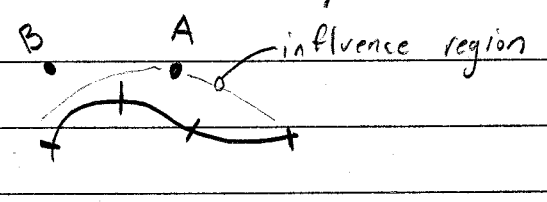


need $C(1) f'(0)=0$

how quick to turn around?



application to points
not "between points"



Generality :

Knots and control points independent

arbitrary spacing (non-uniform) + repeating

ratios