

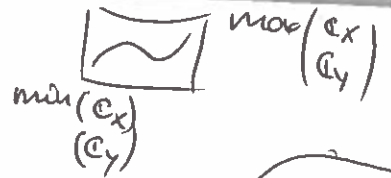
Axis-aligned bounding box AABB

Convex hull  "gift wrapping"

Object-oriented b. b.

OBB

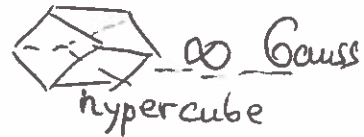
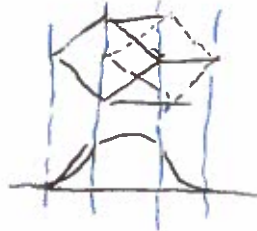
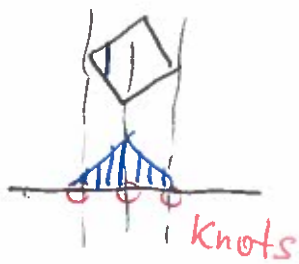
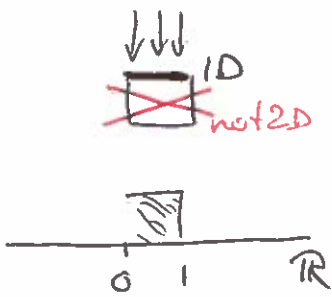
circle enclosure



BOUNDING STRUCTURE

B-spline:

multiple polynomial pieces
built-in "global" smoothers



degree 0 B-spline
indicator step

degree 1 B-spline
 C^0 hat

C^1 plane cut area
degree 2
segments of support 3
knots 4

C^{k-1}
degree k , # supp $k+1$
Knot $k+2$

C^k (uniformly-spaced) "knots": ~~the~~ The piecewise polynomial of least degree that is C^k smooth and not zero and has minimal support (\neq domain where non-zero)

