## Stability

The size of a spline

$$p=\sum_k c_k b_k \in S_{\xi}^n$$

is comparable with the size of its coefficients:

$$c(n) \sup_{k} |c_k| \leq \sup_{x \in D_{\varepsilon}^n} |p(x)| \leq \sup_{k} |c_k|.$$

The constant depends on the degree n. It does not depend on the knot sequence  $\xi$  if the parameter interval  $D^n_{\xi}$  of  $S^n_{\xi}$  contains for each B-spline a largest knot interval in its support.