New Trends in Non-uniform Subdivision

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Abstract

This talk is about some recent results for non-uniform subdivision schemes. They can basically be grouped in two categories. On the one hand, we discuss linear, but non-uniform subdivision schemes. This includes non-uniform refine and smooth algorithms for B-spline curves as well as schemes for NURBS surfaces. On the other, we present truly non-linear subdivision schemes. This includes subdivision by non-linear averaging as well as the parametric equivalent to the uniform Dubuc–Deslauriers schemes.

References

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