Curve Designing Using A Rational Cubic Spline With Point Andinterval Shape Control

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Summary

A rational cubic C2 spline curve is described which has interval and point tension weights for manipulating the shape of the curve. The spline is presented in a local support basis form, and the effect of the weights on these representations is analysed. Subsequently this work has been extended for the modelling of interpolatory curves through B-spline formulation

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