

A Rational Spline For Visualizing Positive Data

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Summary

A piecewise rational cubic spline has been introduced to visualize the positive data in its natural form. The article explains how it is attempted that the spline method preserves the shape of the data when it is positive. The spline representation is interpolatory and applicable to the scalar valued data. The shape parameters in the description of the rational cubic have been constrained in such a way that they control the shape of the curve to avoid any noise. As far as visual smoothness is concerned, the curve scheme under discussion is C1

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