

**Kobza, Jiří; Kučera, Radek**

**Fundamental quadratic splines and applications.** (English) Zbl 0803.41011  
Acta Univ. Palacki. Olomuc., Fac. Rerum Nat., Math. 32, 81-98 (1993).

The paper deals with fundamental quadratic splines interpolating function values, first derivative values, and with splines smoothing first derivative values. The authors make use of the fundamental quadratic splines for error propagation and for computation of values of the quadratic spline interpolating the first derivative values.

Reviewer: [R.S.Dahiya \(Ames\)](#)

**MSC:**

[41A15](#) Spline approximation  
[41A45](#) Approximation by arbitrary linear expressions  
[34A34](#) Nonlinear ordinary differential equations and systems

Cited in **3** Documents

**Keywords:**

[quadratic splines](#); [splines smoothing](#)

**Full Text:** [EuDML](#)

**References:**

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- [2] Kobza J.: Quadratic splines smoothing the first derivatives. Application of Mathematics, 37(1992), 2, 149-156. · [Zbl 0757.65006](#)
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