

On C^1 quasi-interpolating splines with type-2 triangulations

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MONOGRAFIA N. 4

Ferrara 2000

Monografie del Programma di Ricerca Scientifica 1998–2000
“Analisi Numerica: Metodi e Software Matematico”
cofinanziato dal Ministero per l’Università e
la Ricerca Scientifica e Tecnologica nell’anno 1997.

Monographs of the 1998–2000 Scientific Research Program
“Numerical Analysis: Methods and Mathematical Software”
supported in 1997 by the Italian Ministry for the University
and the Scientific and Technological Research.

<http://www.unife.it/AnNum97>

Abstract

In this work we consider local bivariate quadratic C^1 quasi-interpolating (q-i) splines defined as a linear combination of B -splines on uniform and non uniform type-2 triangulations and we analyse their properties. Then we study the problem of their generation and we propose *SPLISURF*, a tool developed in Matlab 5.2.

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