

广义Ball曲线的性质及其应用

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摘要 本文讨论了任意次数的广义Ball曲线的性质和它们的应用,如:一般的升阶公式, Bézier曲线与广义Ball曲线之间的转换,极限定理,对偶基,广义Ball基函数下的Maraden恒等式,降阶赋值算法,单位分解性质等.

关键词 [广义Ball基函数](#),[广义Ball曲线](#),[Bézier曲线](#),[对偶基](#)

分类号

GENERALIZED BALL CURVES' PROPERTIES AND ITS APPLICATION

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Abstract Generalized Ball curves of arbitrary degree were gained by extending that of odd degree,and its many properties and applications,such as degree raising formula,transformation between generalzed Ball curves and Bézier curves,limiting theorem,dual basis,Marsden equavilent under generalized Ball basis,elvation algorithm by lowing degree and unit property etc.,were discussed.

Key words [Generalized ball basis](#) [generalized ball curves](#) [Bézier curves](#) [dual basis](#)

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