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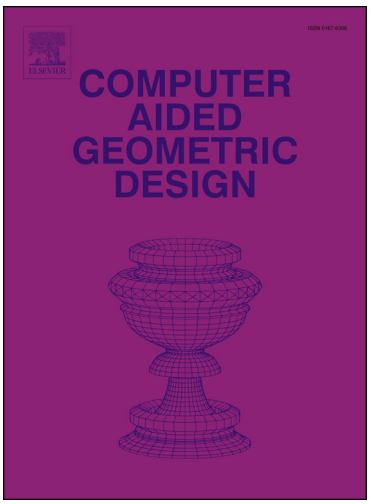

Smooth surface interpolation using patches with rational offsets

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Highlights

- A simple method for interpolating given data points and associated normals with surface parametric patches with rational offsets is presented.
- Some arguments why a dual approach is the most convenient for interpolating with Pythagorean normal vector (PN) surfaces is given.
- As a result we obtain the patch construction which is completely local and produces surfaces with the global G^1 continuity.

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