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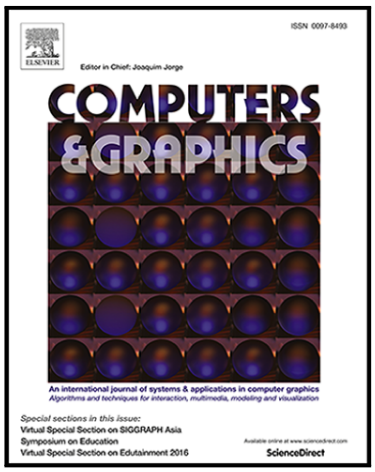

A novel spatial pooling method for 3D mesh quality assessment based on percentile weighting strategy

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Highlights

- We proposed a novel spatial pooling method for 3D mesh quality assessment based on percentile weighting strategy.
- The percentile weighting method has a strong capability to emphasize the local regions with severe distortion of mesh.
- We investigated the influence of the parameters of percentile weighting on the performance, and determined the optimal parameters and unified parameters through empirical tests.
- Experimental results demonstrate the effectiveness of our spatial pooling method and the superiority of our metric.

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