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Establishing a balanced neighborhood of discrete points for local quadric surface fitting

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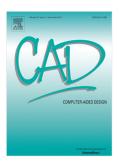
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Highlights (for review)

Research Highlights:

- A novel method to identify the closest directionally balanced neighboring point set
- Balanced neighborhood of points expandable to include more points
- Effectiveness validated via comparison with existing methods

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