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Integrated approach for geometric modeling and interactive visual analysis of grain structures

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Highlights

- 2D visualization is limited to comprehend space-filling microstructures.
- Integration of modeling and visual analysis tools in an open source CAD application.
- Valid visualization-friendly grain structure models built in less than a minute.
- Specific tools presented superior learning value compared to earlier attempts.
- Interactive exploration allows better spatial cognition, enhancing grain structures learning.

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