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A finite volume multi-moment method with boundary variation diminishing principle for Euler equation on three-dimensional hybrid unstructured grids

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Highlights

- A novel multi-moment finite volume method is implemented to 3D unstructured grids.
- A BVD algorithm is devised for 3D unstructured grids to suppress numerical oscillation and dissipation.
- Competitive solution quality has been obtained for various benchmark tests in comparison with other existing methods.

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