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Reevaluation of High-order Finite Difference and Finite Volume Algorithms with Freestream Preservation Satisfied

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**Highlights**

- Conduct systematic comparisons of high-order FD and FV algorithms based on the coordinate transformation with the freestream preservation satisfied;
- Demonstrate the importance of the freestream preservation to numerical calculations;
- Modify the former conclusion that high-order FV algorithms are superior to FD algorithms.

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