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A Modern Approach to Simulating Flight

THURSDAY, November 11, 2021 at 4:00pm
Jones 303, 5747 S. Ellis Ave. Chicago, IL 60637
OR
via Zoom

A new era in flight is emerging that requires a more effective simulation strategy. We describe an approach based on instabilities in flow. The method we use is an old but little used definition of instability that is more rigorous than what is commonly used. We show that our results correlate well with what can be observed by both experiment and direct numerical simulation.