

Abstract Submitted  
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**POD Study of Turbulent Boundary Layer Structures**<sup>1</sup> JON BALTZER, RONALD ADRIAN, Arizona State University, XIAOHUA WU, Royal Military College of Canada — 3D POD is performed on a recent DNS turbulent boundary layer simulation (Wu & Moin, Phys. Fluids, 2010). The modes of various scales are examined. Dominant modes include structures consistent with the inclined ramps commonly observed in turbulent boundary layers. POD modes are examined to interpret the spatial organizations of the structural elements.

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