

Abstract Submitted  
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**DNS of Herringbone Streaks in Rotating Turbulence Near Curved Walls**<sup>1</sup> S. DONG, Purdue University — Near-wall streaks are a hallmark of turbulence. In turbulence near curved rotating walls the streaks form intricate herringbone-like patterns. We demonstrate the near-wall herringbone streaks using Taylor-Couette turbulence. We report the first direct numerical simulations of herringbone streaks in normal and counter-rotating Taylor-Couette turbulence, and characterize several of their remarkable aspects.

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Suchuan Dong  
Purdue University

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