

Abstract Submitted
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Chaotic Plume-Like Bursts in Rimming Flows GABRIEL SEIDEN,
VICTOR STEINBERG, Weizmann Institute of Science — We report a detailed
experimental investigation of chaotic, plume-like bursts observed in rimming flows
of polymer solutions within a partially filled horizontal cylinder. In particular, we
investigate the attractive interaction between adjacent plumes and the effect of ro-
tation rate and polymer concentration on the statistics of these unique bursts. A
comparison is also made between the Newtonian and non-Newtonian cases.

Gabriel Seiden
Weizmann Institute of Science

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