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Pablo Shmerkin*, Department of Mathematics, The University of British Columbia, Room 121, 1984 Mathematics Road, Vancouver, BC V6T 1Z2, Canada. *Beyond Furstenberg's intersection conjecture*. Preliminary report.

I will discuss a class of problems involving slicing dynamically defined objects with affine planes or more general smooth surfaces. These results extend Furstenberg's intersection conjecture (solved around 5 years ago independently by Meng Wu and by myself) in various directions. (Received August 19, 2021)