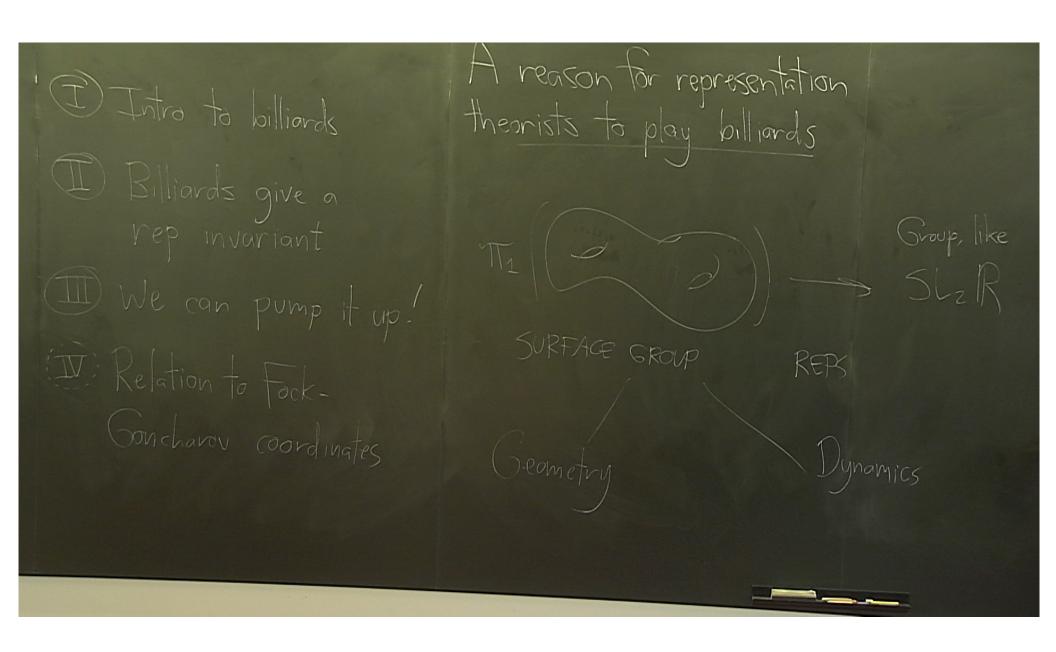
Title: A reason for representation theorists to play billiards

Date: Feb 06, 2017 02:00 PM

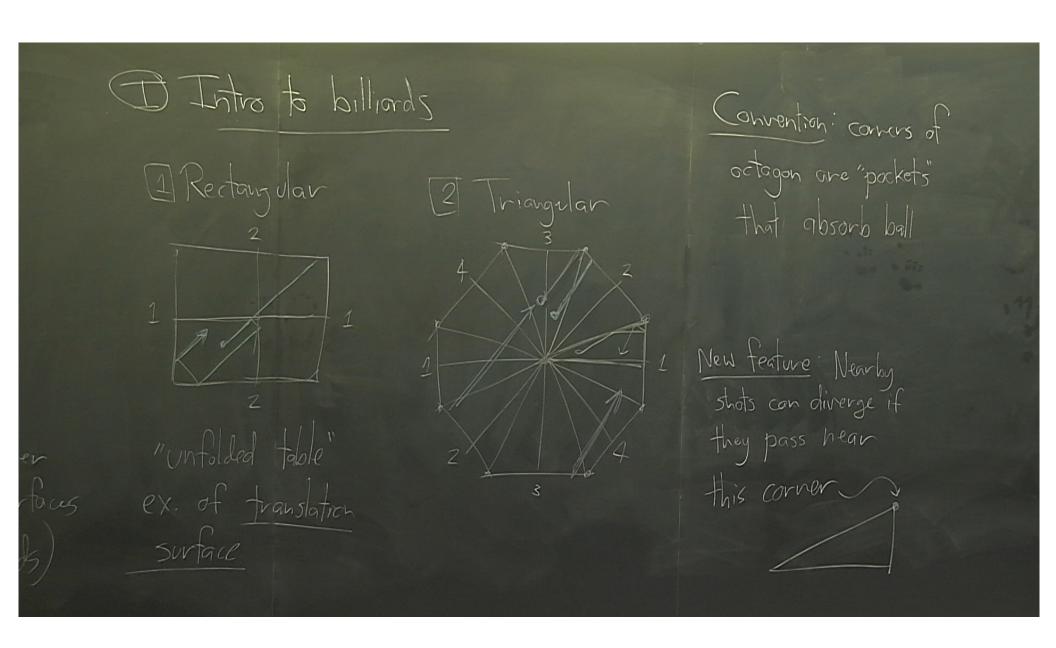
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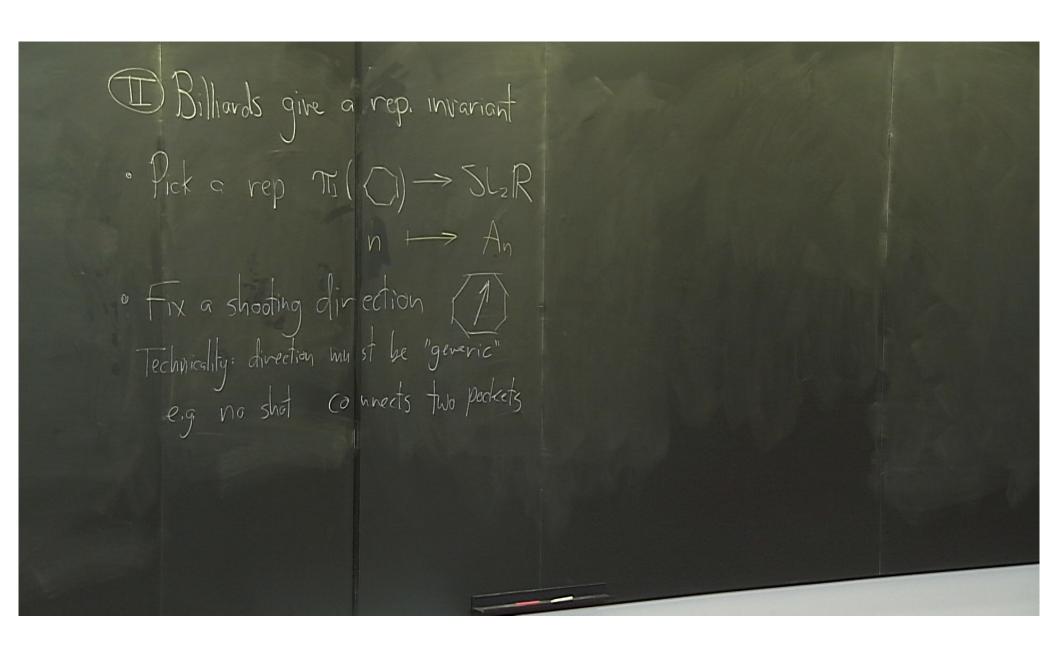
Abstract: Representations of the fundamental groups of surfaces appear so often in geometry that it's tempting to see them primarily as geometric structures. In recent years, however, researchers have uncovered beautiful new features of these representations by thinking of them instead as dynamical systems. As an invitation to the dynamical point of view, I'll describe how geometric tools from the study of billiards can be used to build invariants of surface group representations.

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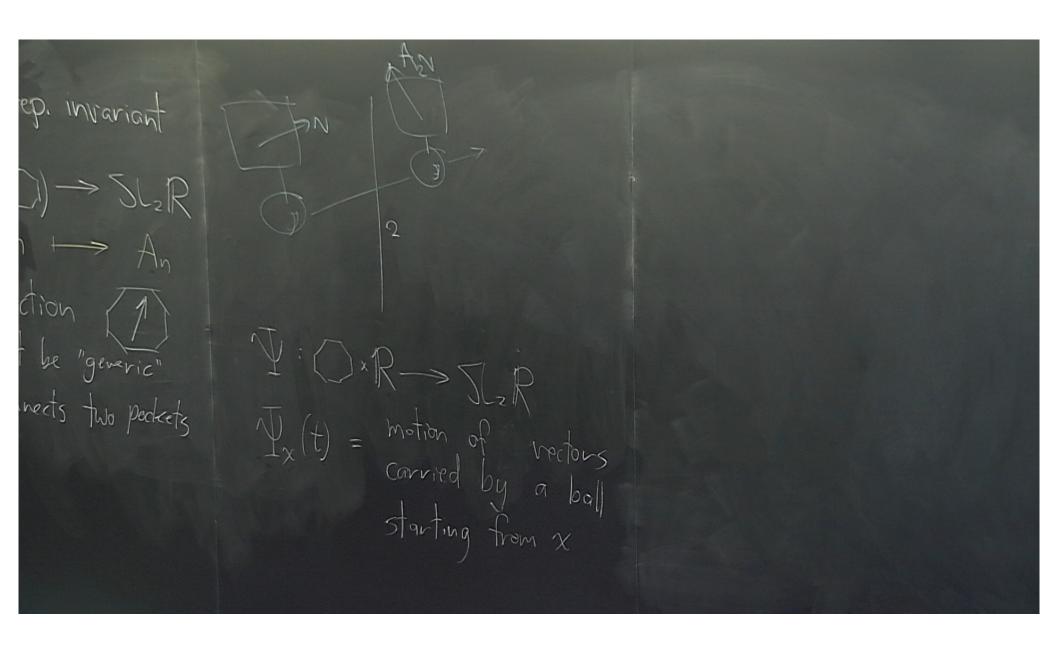


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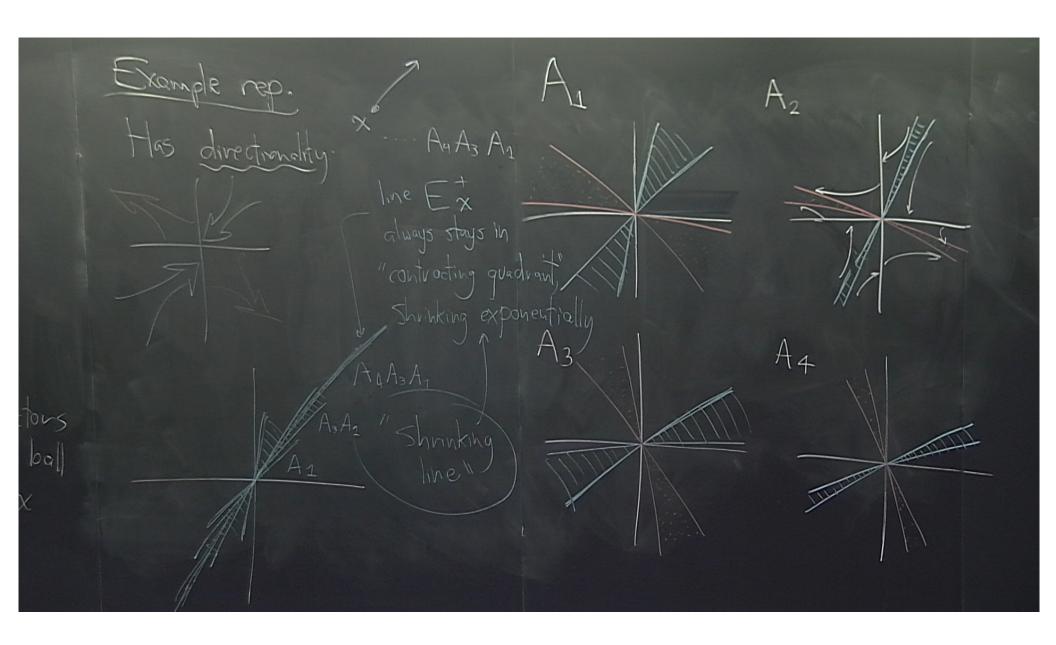




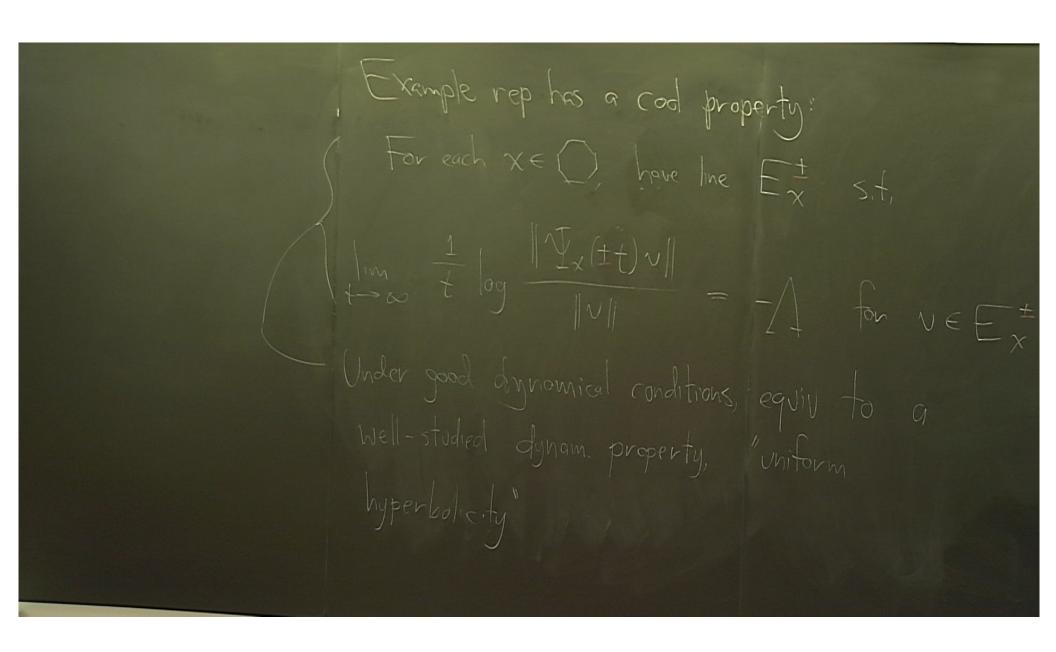
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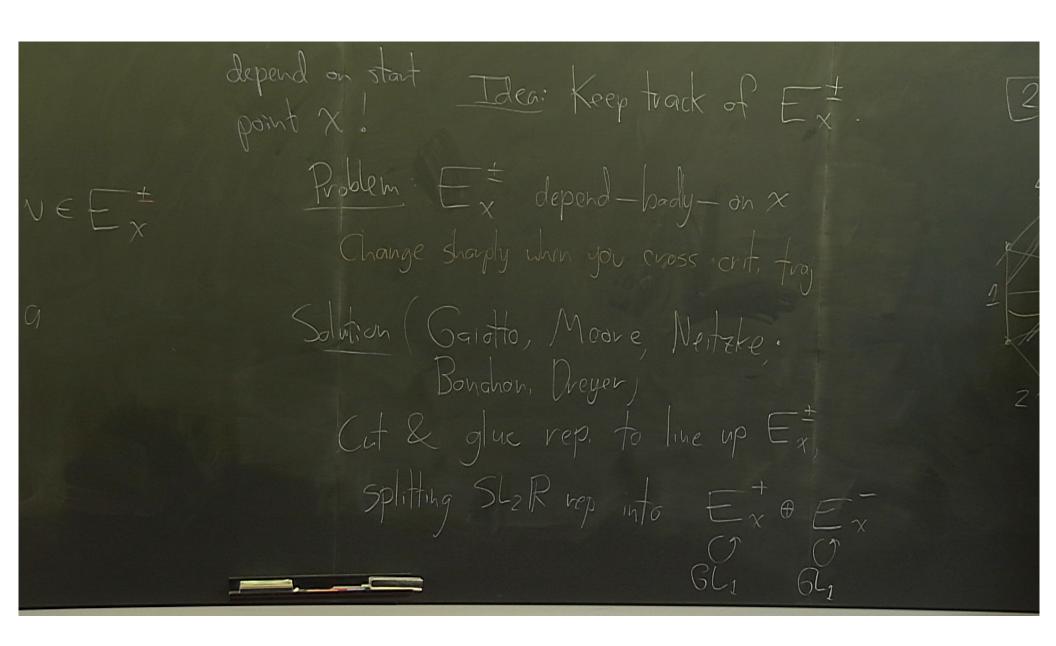
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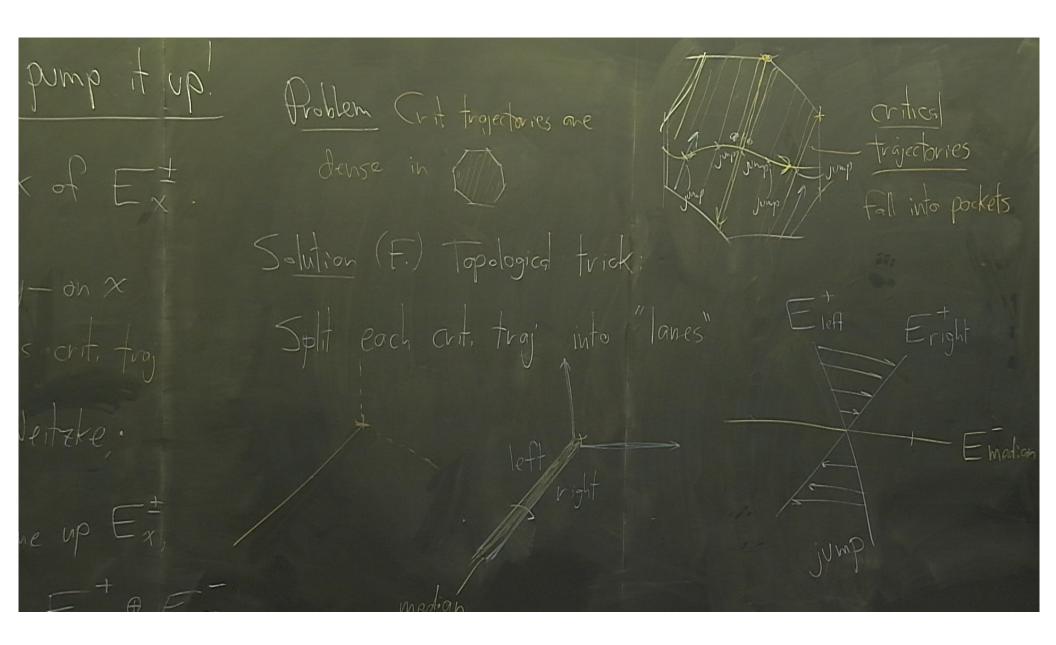


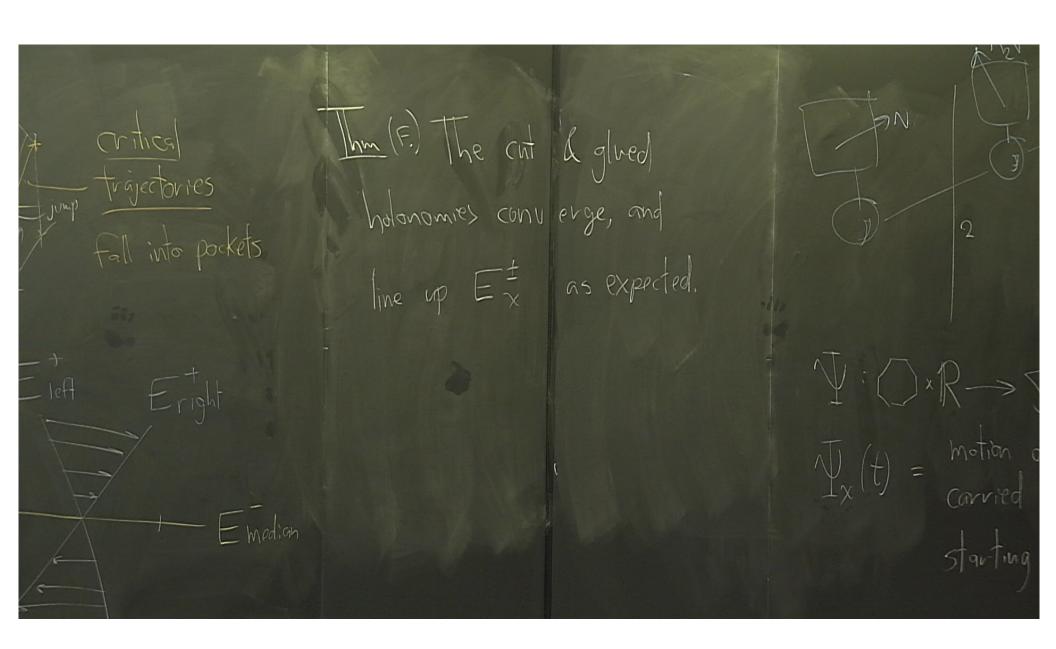
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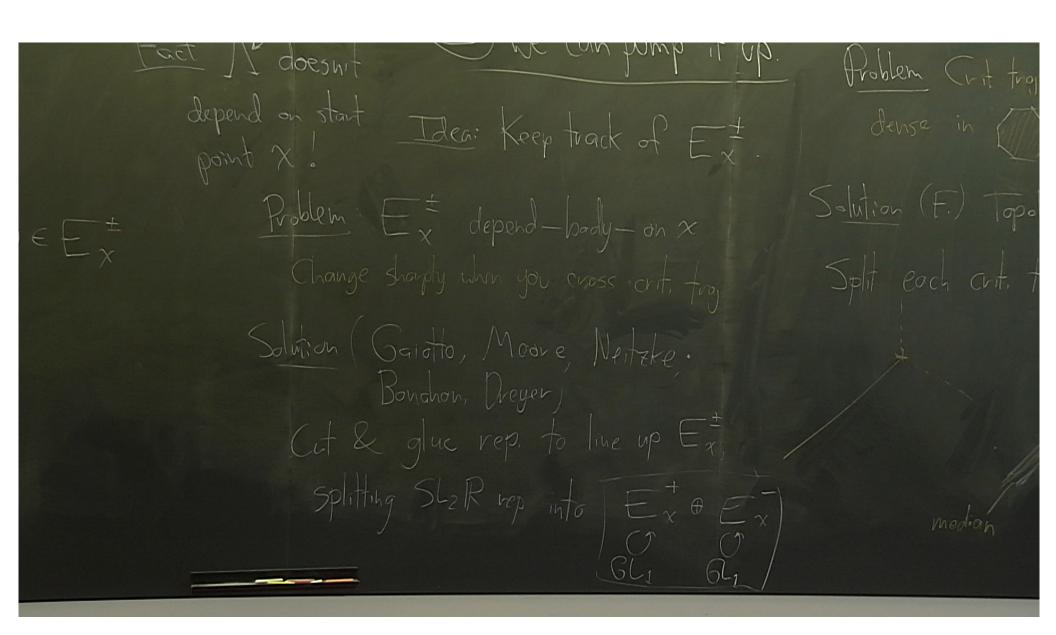


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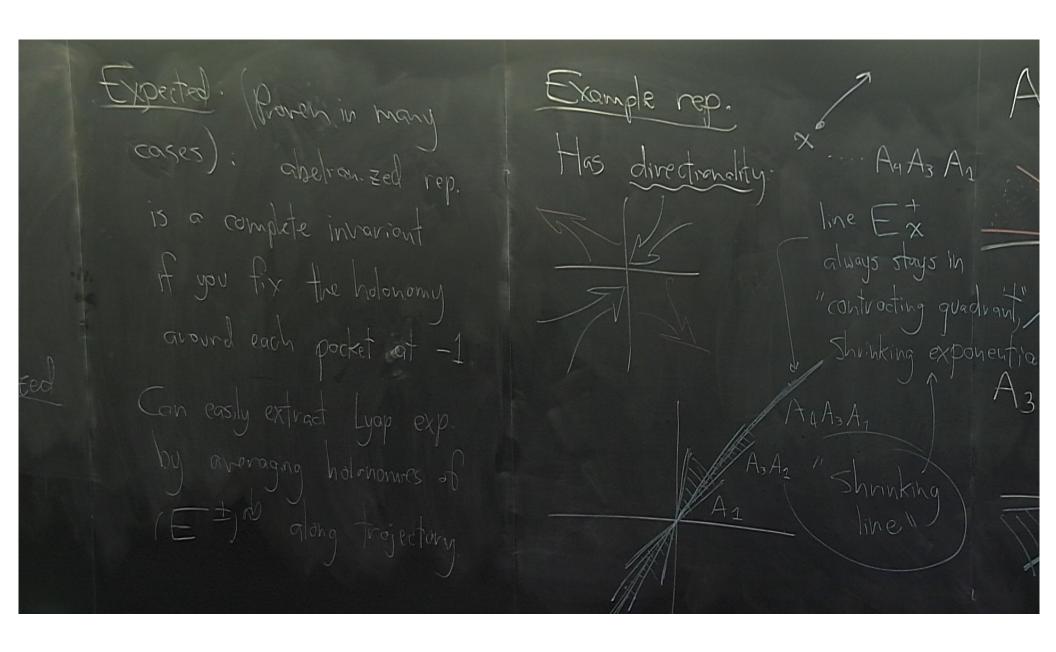








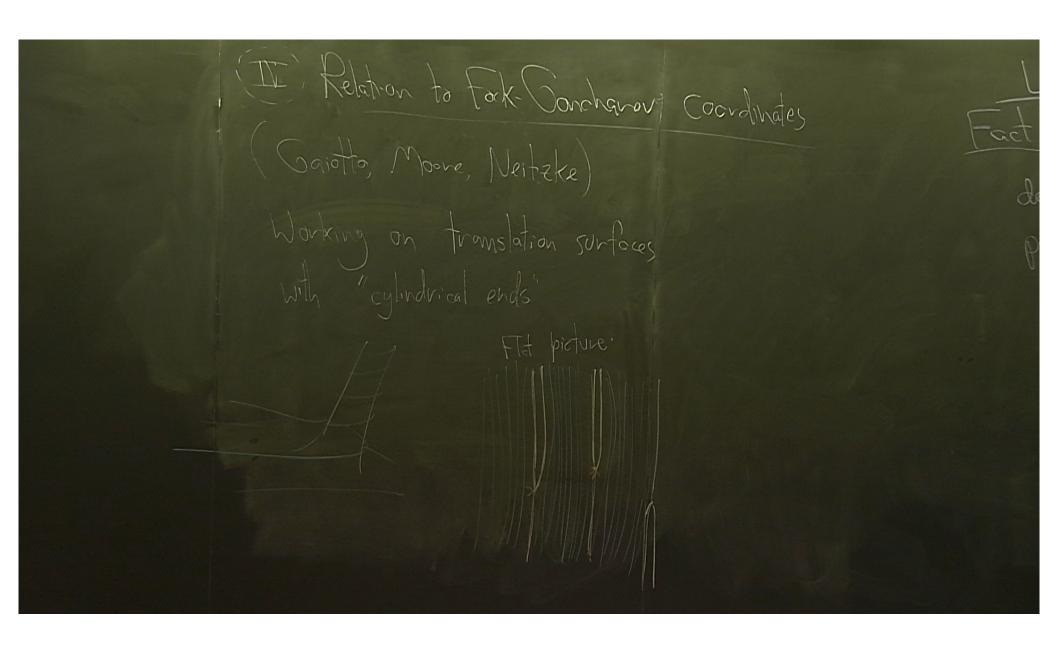
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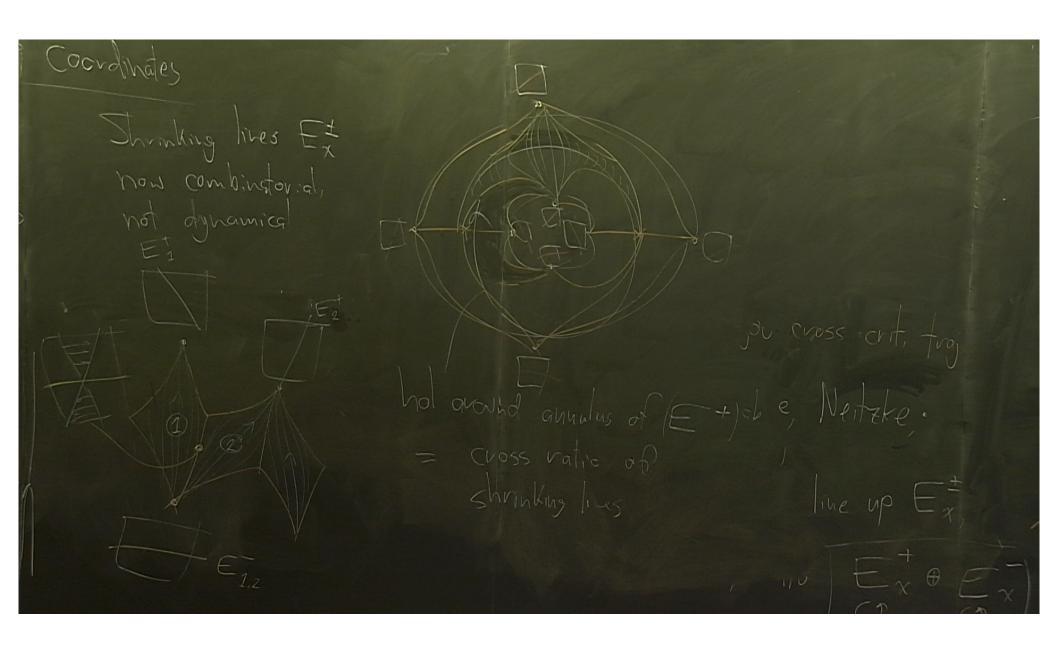
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| pump it up! of Ex. | Locally R2 - Geometrically friendly | Non-Hauslouff (Dynamically inconvenient Locally connected | Locally (Rx (Cantor set) - Dynomically friendly Compact, Hansdorff, |
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