

# Endperiodic maps, splitting sequences, & branched surfaces

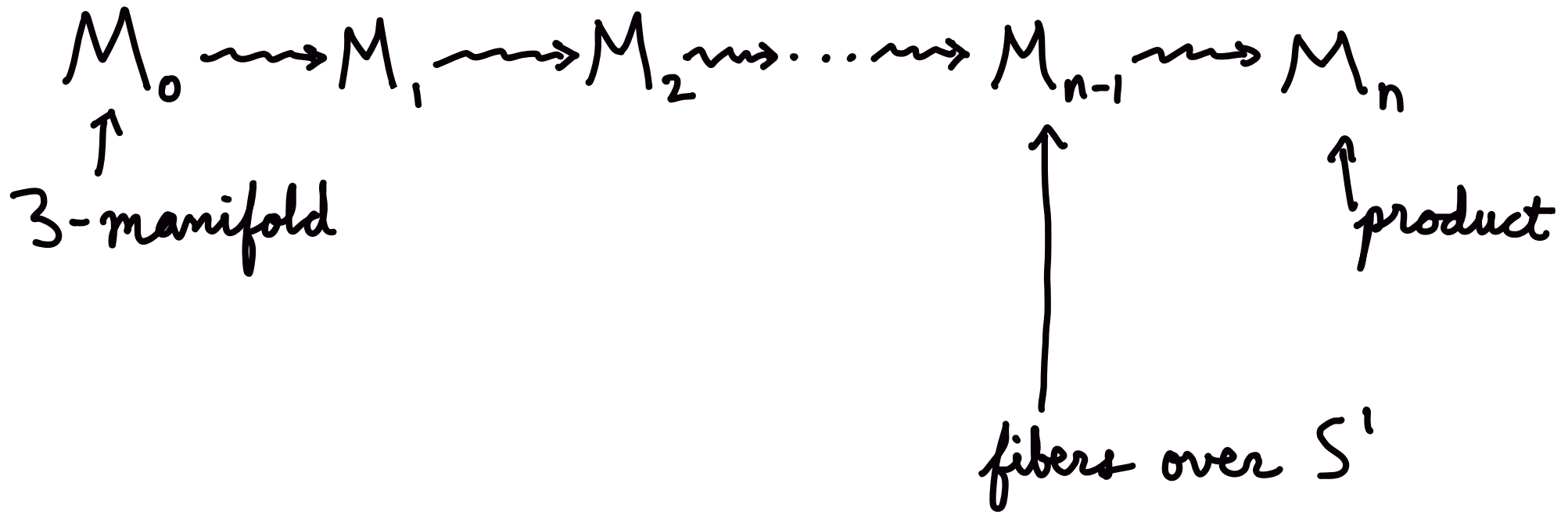


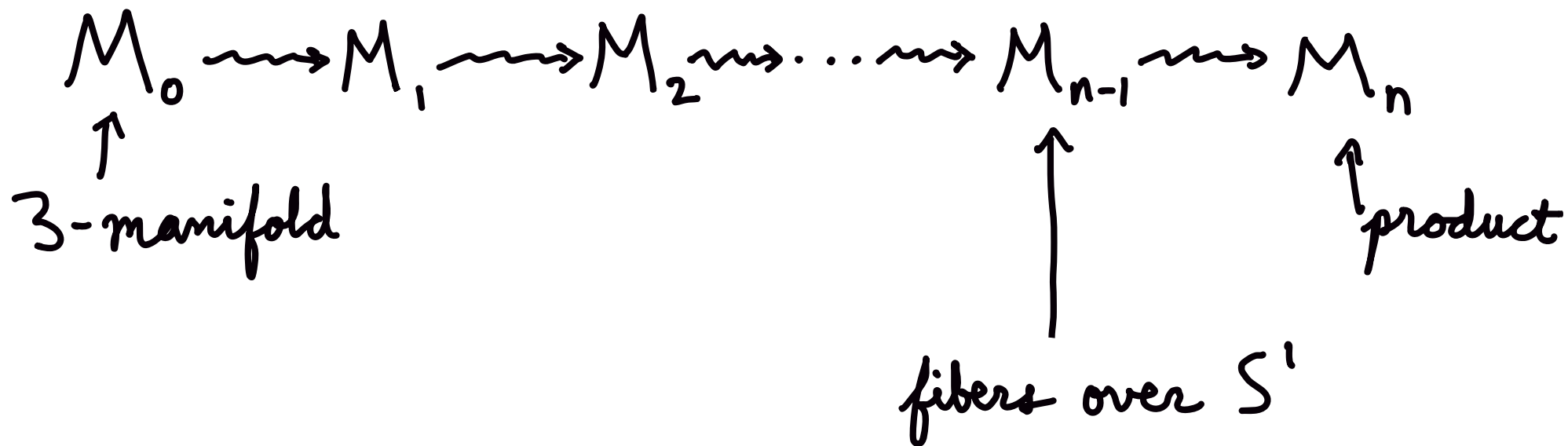
Michael  
Landry

joint with Chi Cheuk Tsang



# SUTURED MANIFOLD HIERARCHY



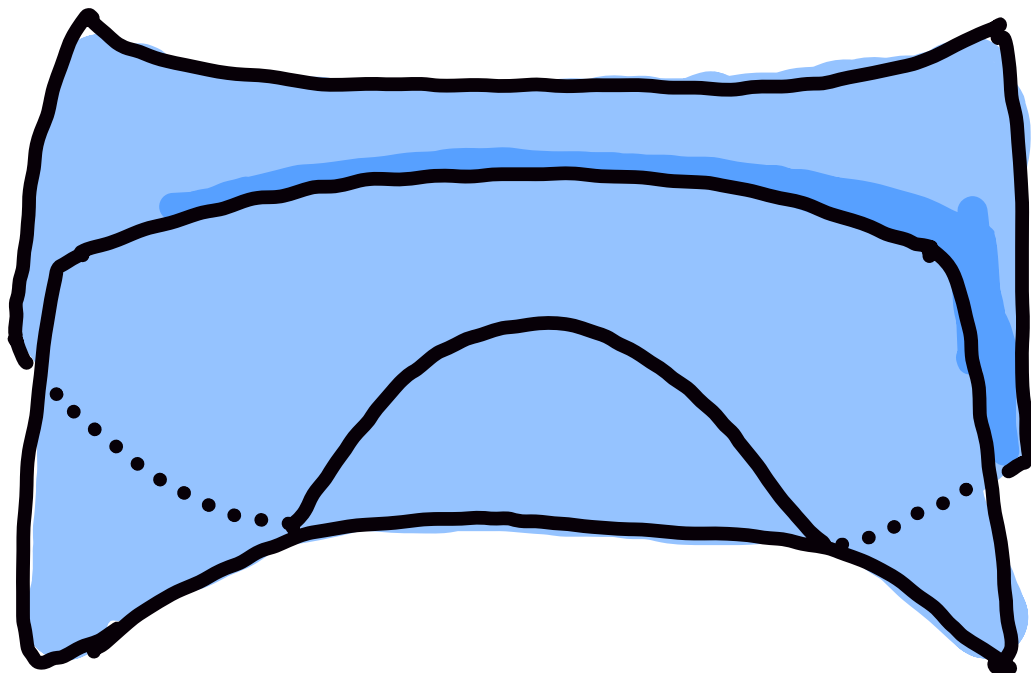
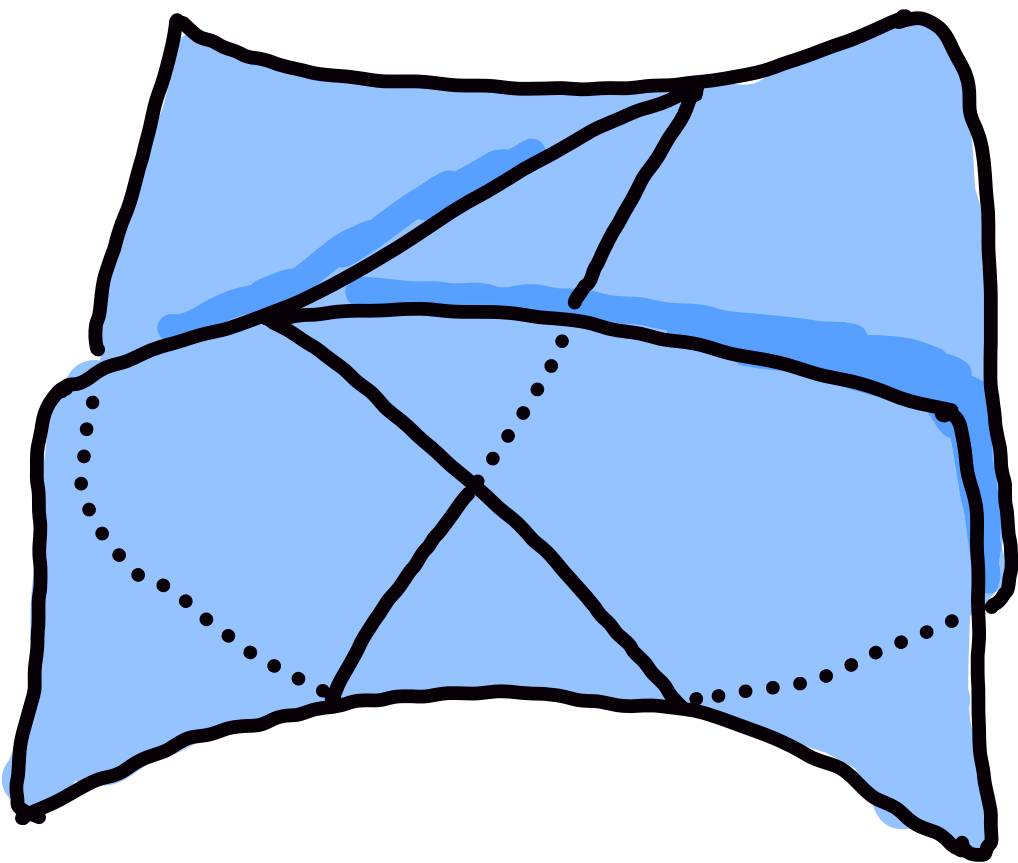
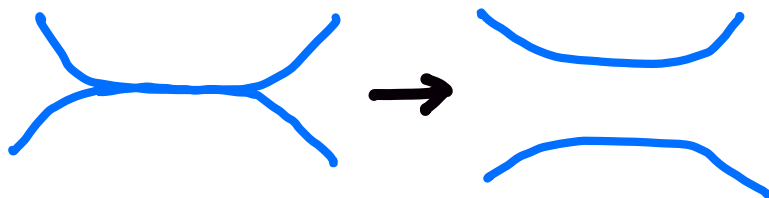
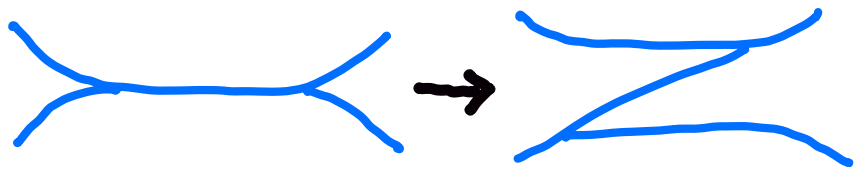


Handel-Miller

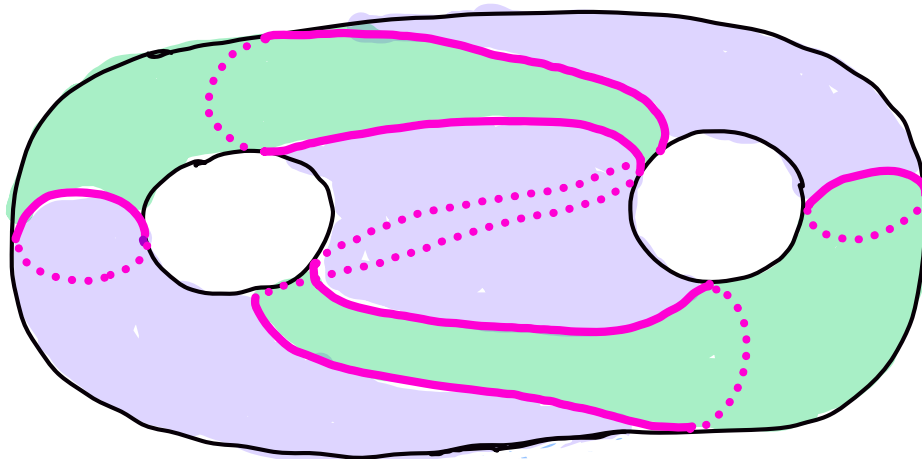
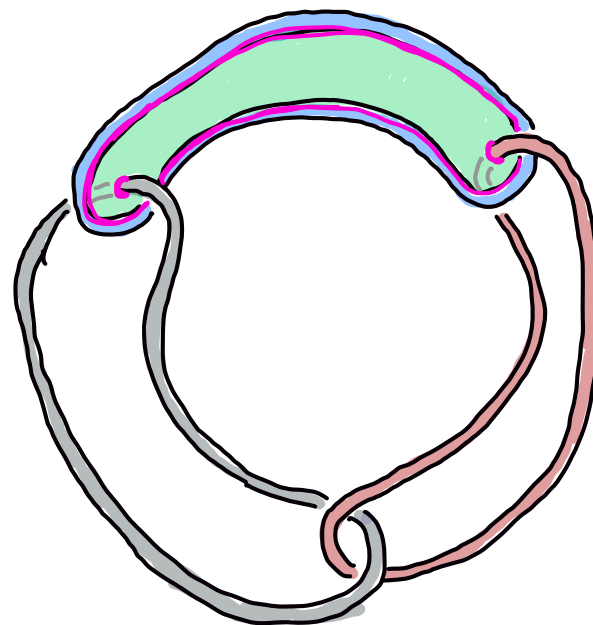
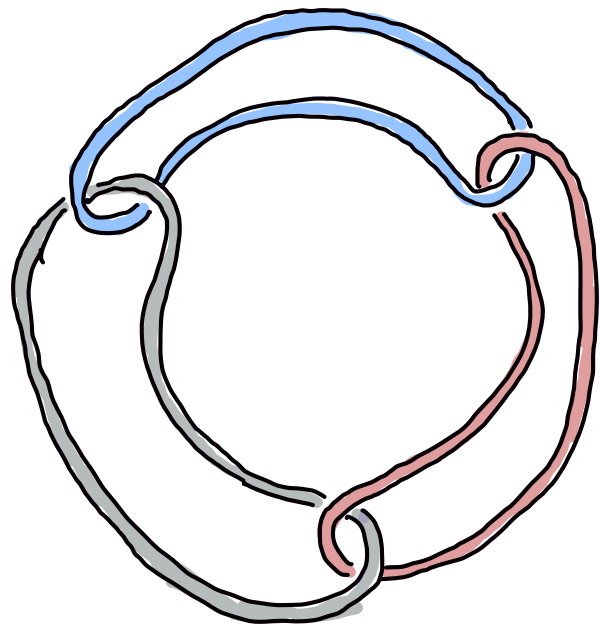
monodromy preserves  
2 geodesic laminations up to isotopy

Gabai-Mosher

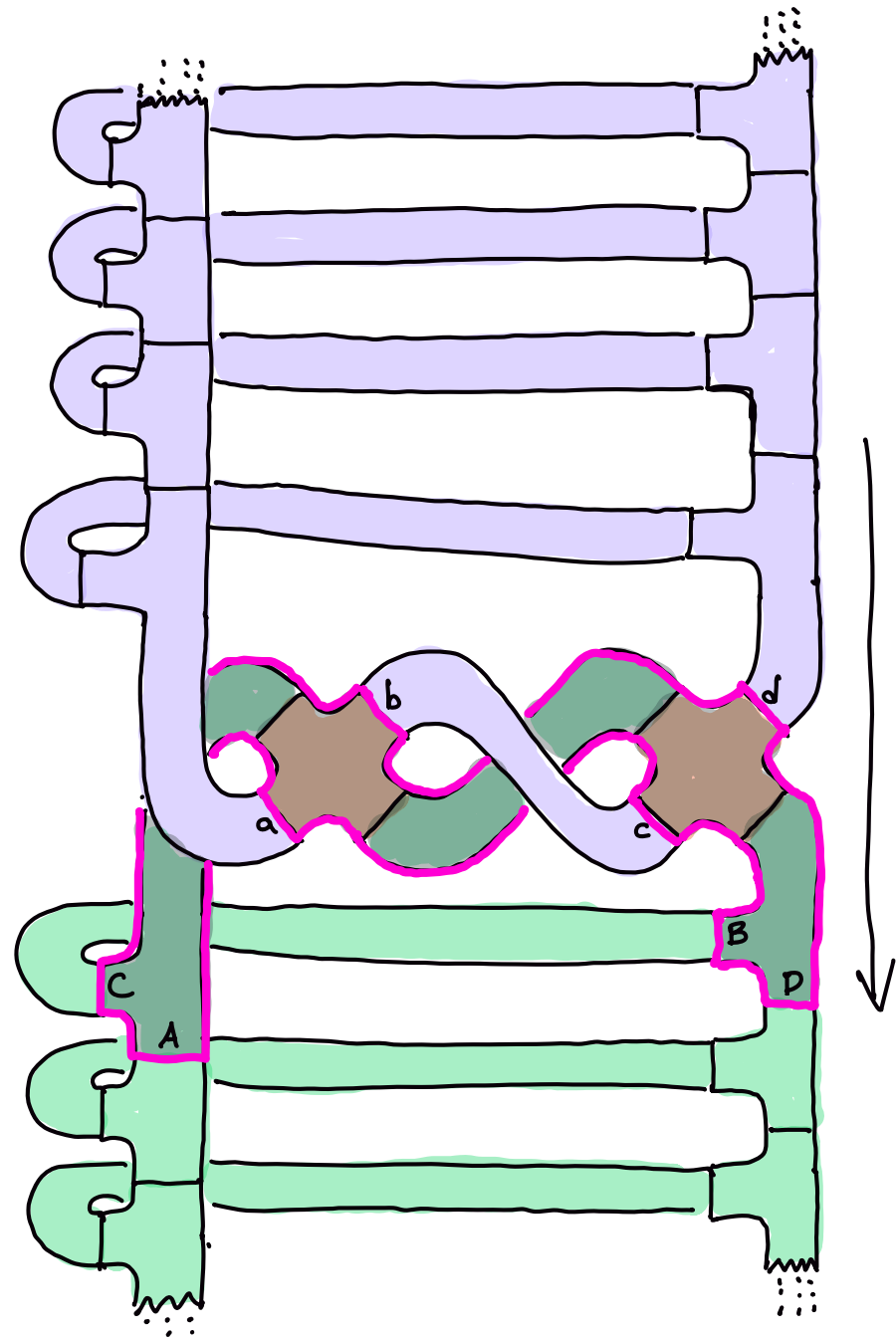
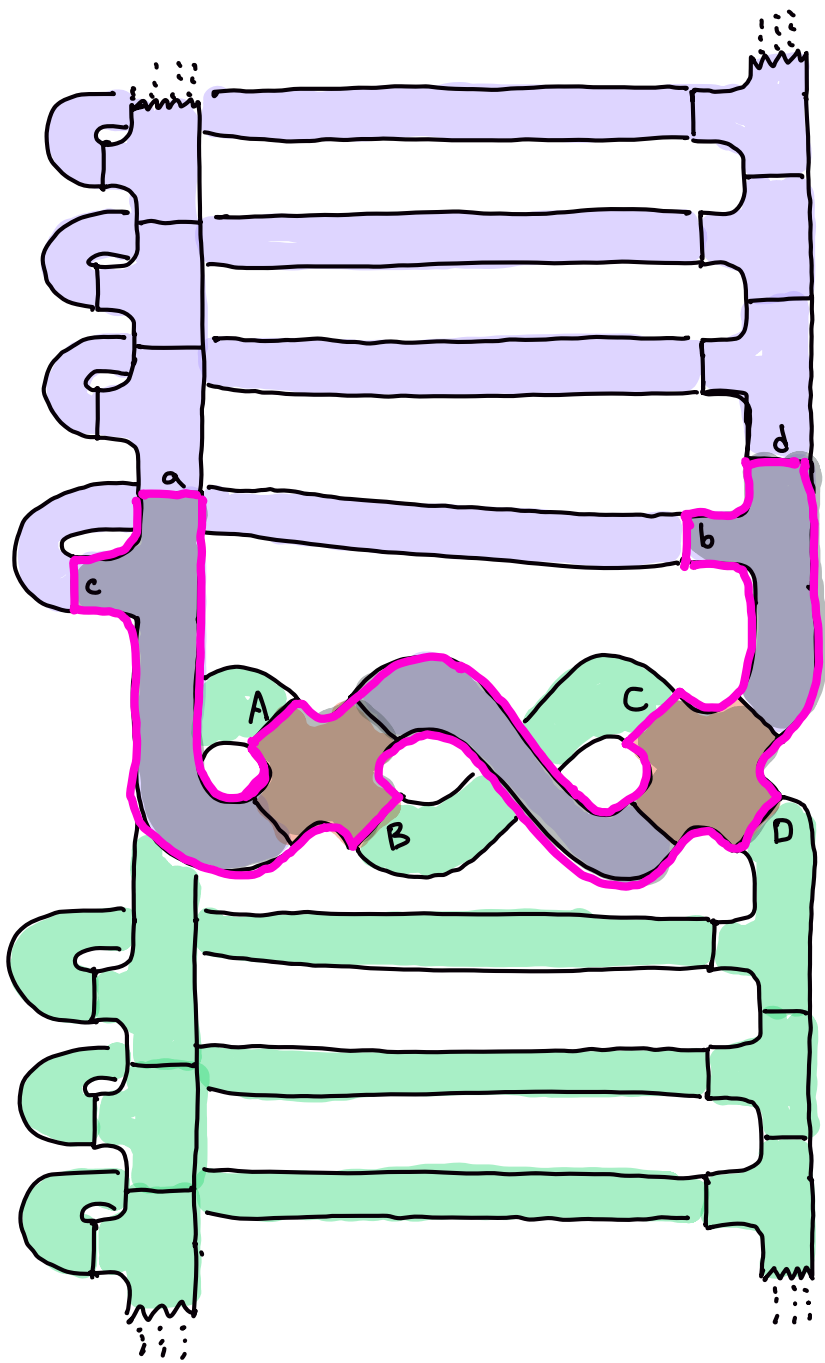
push laminations  
through hierarchy  $\rightsquigarrow$  pseudo-Anosov  
flow on  $M_0$



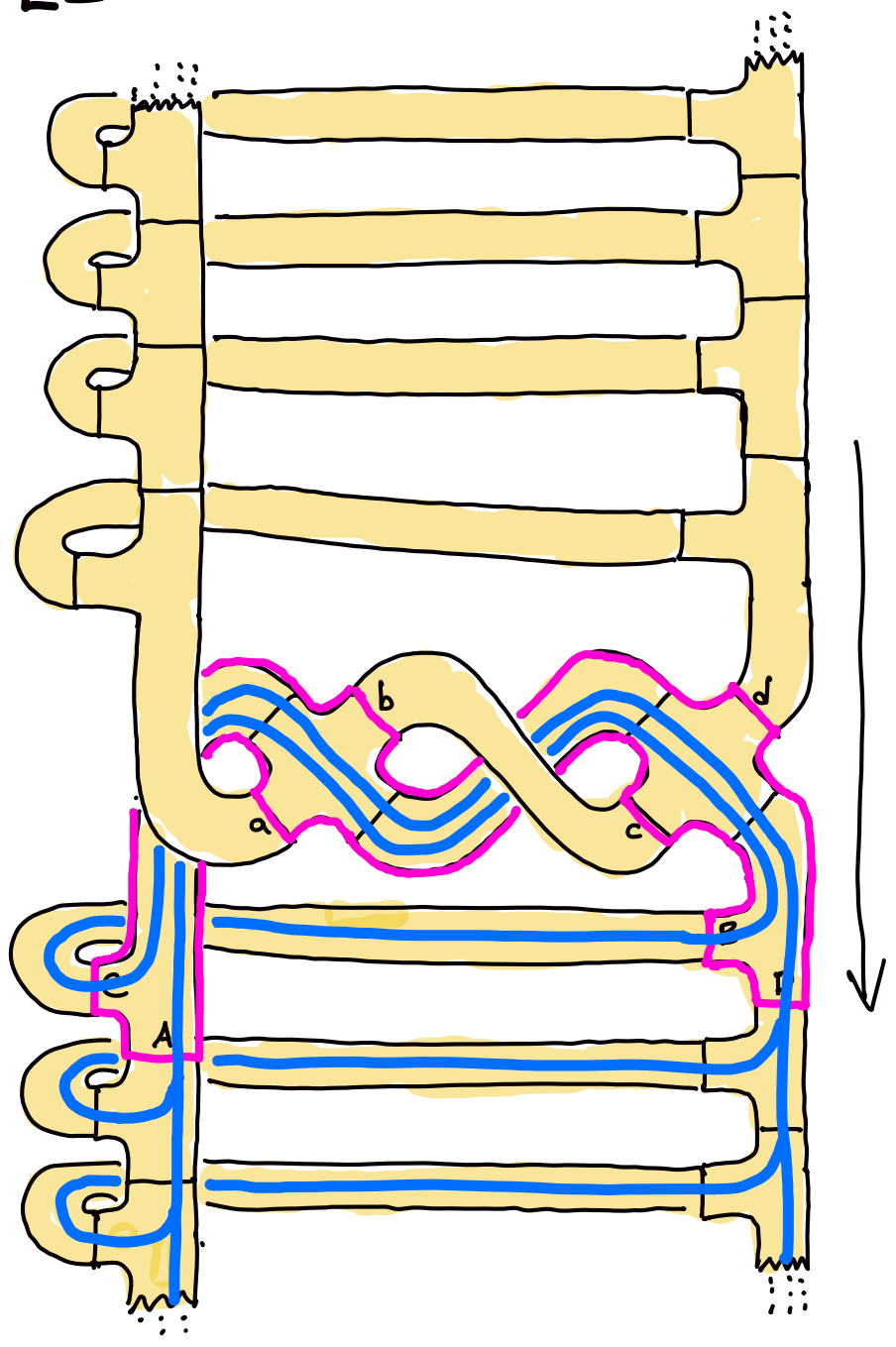
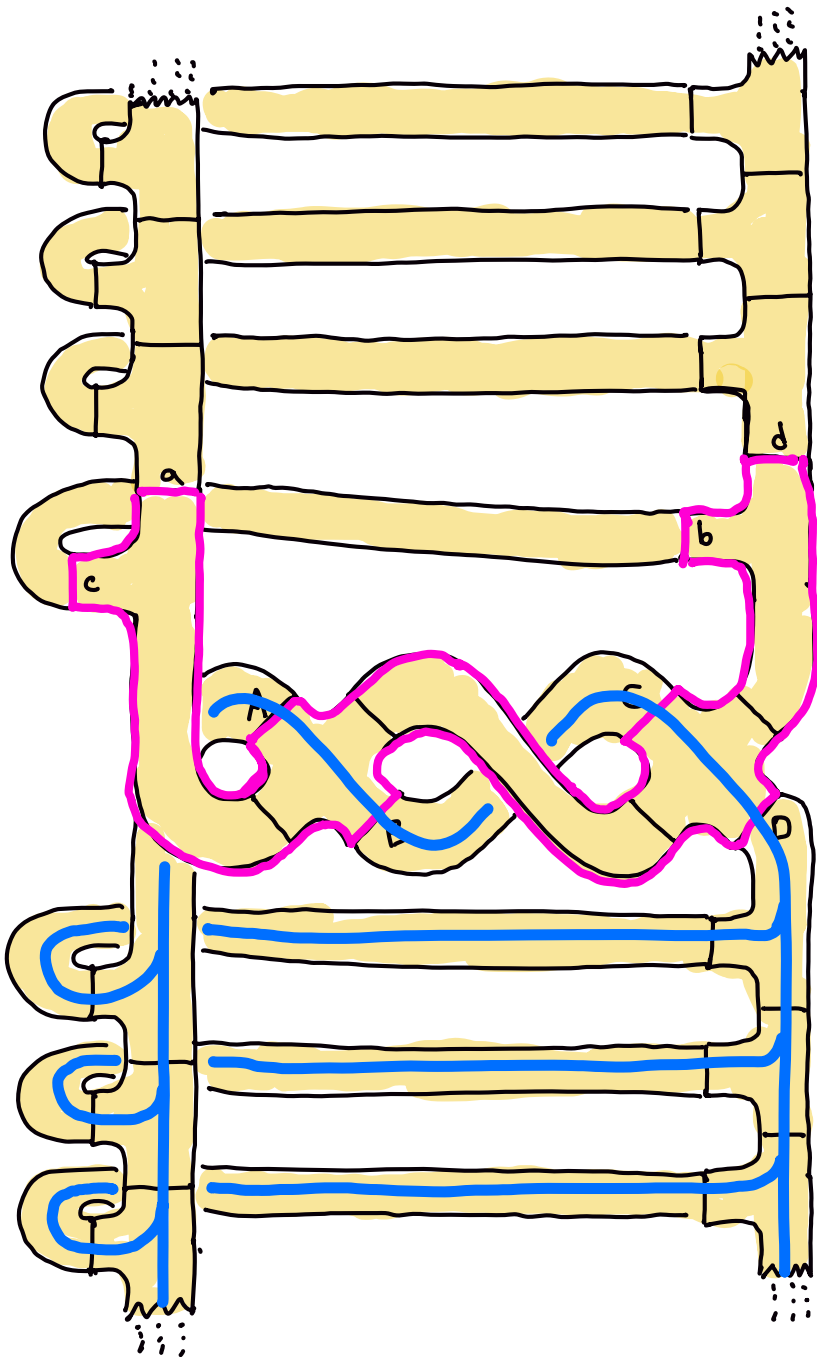
# EXAMPLE



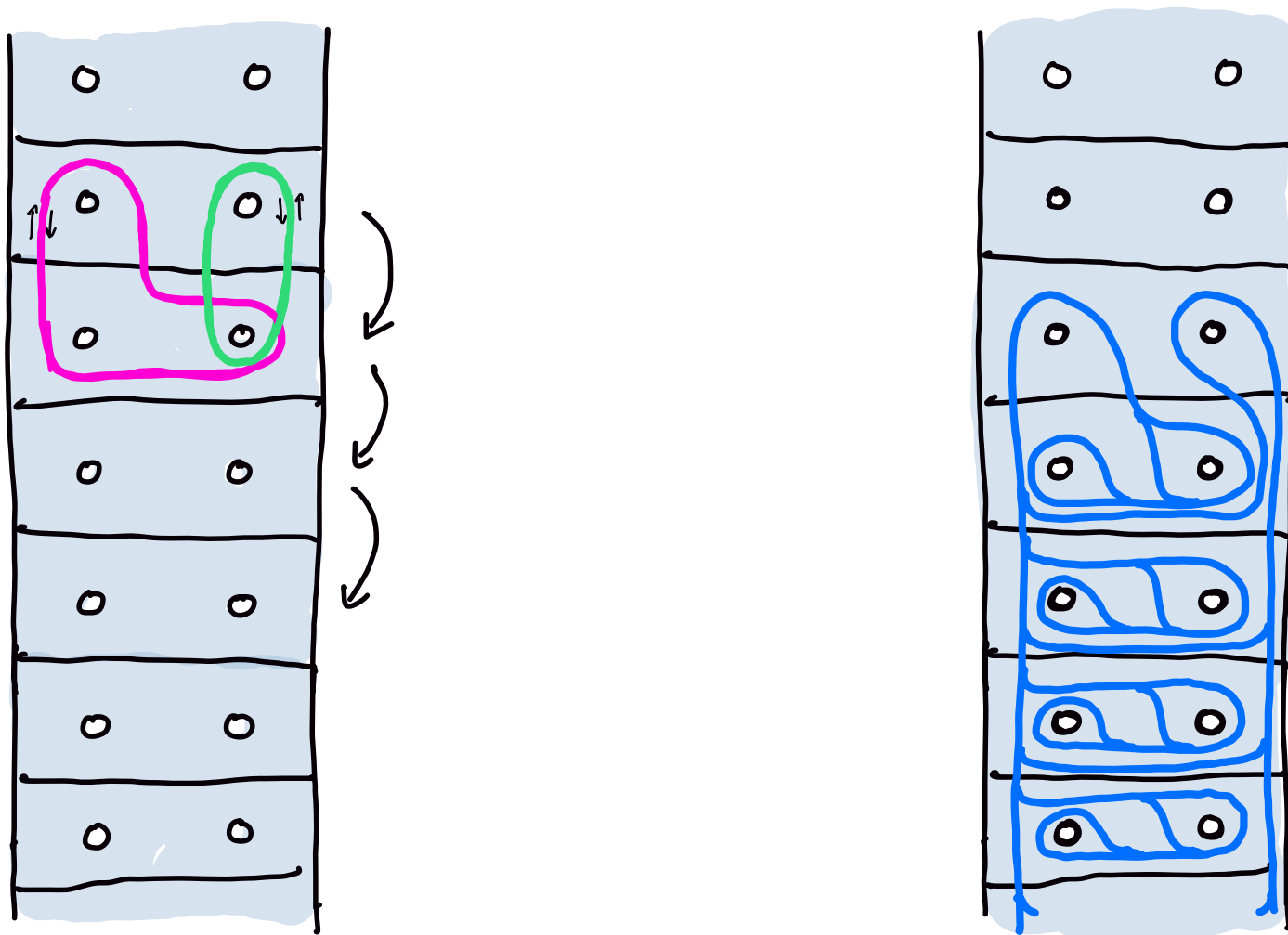
# EXAMPLE



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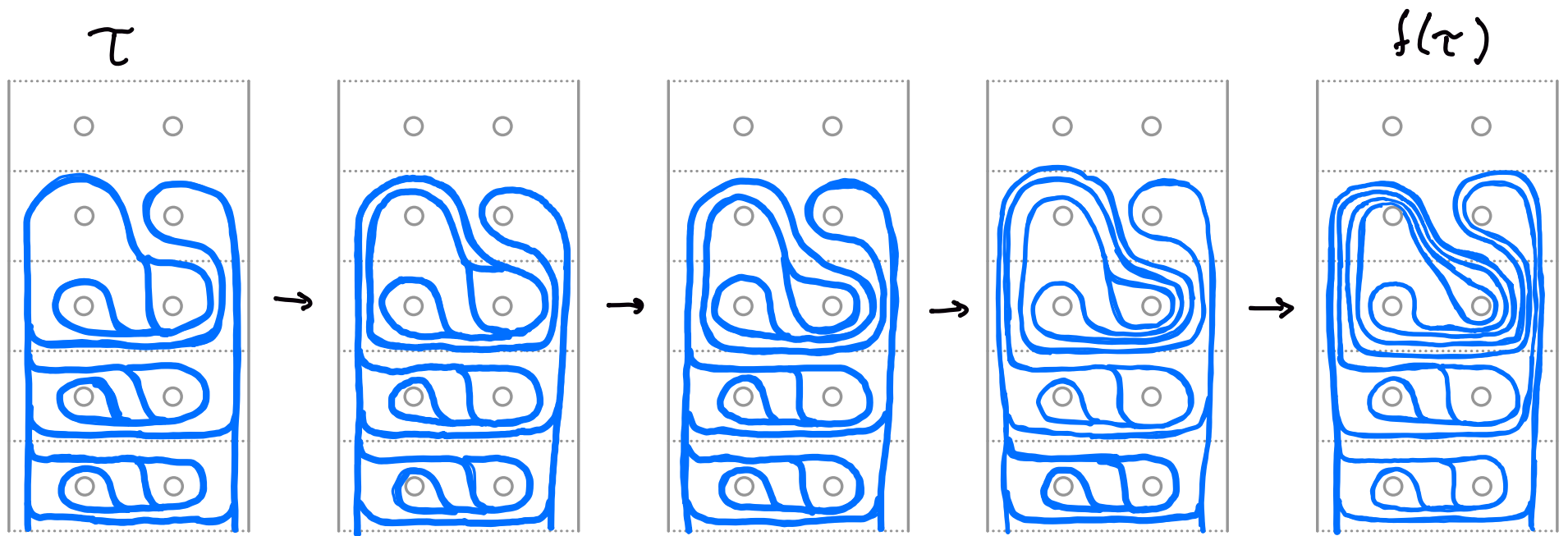


# ANOTHER EXAMPLE



This lamination admits no proj. inv. meas  
of full support (Fenley)



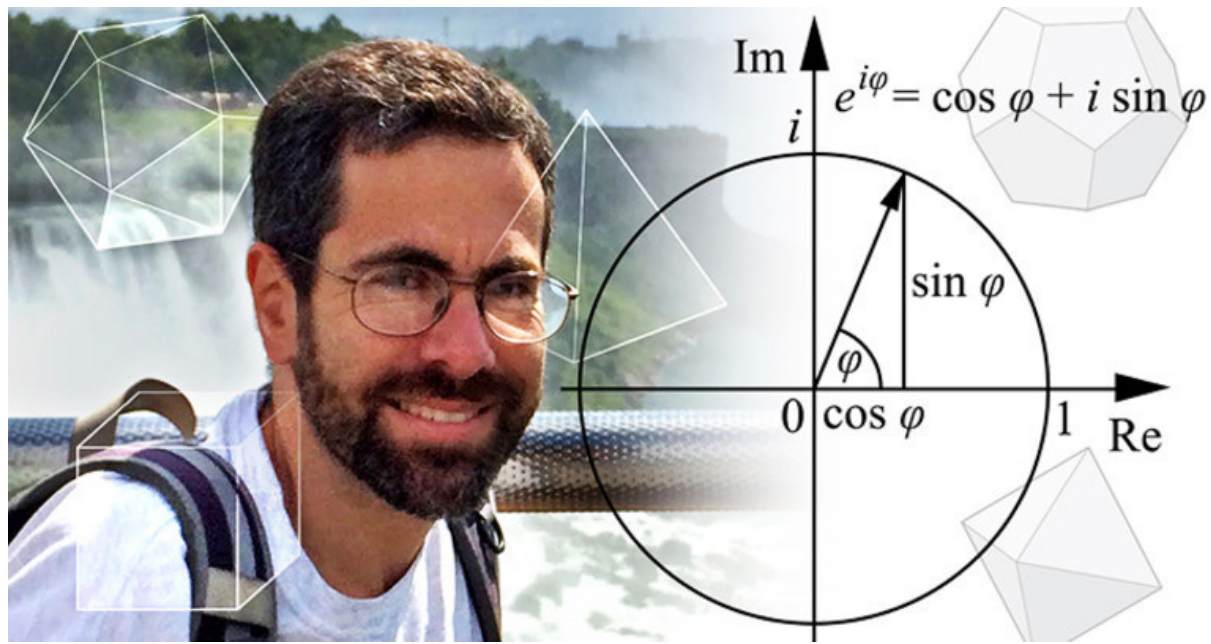


## THEOREM (L-TSANG)

This always works: any such splitting sequence is preperiodic.

The tail of the sequence is uniquely determined by the train track "at infinity."

Thanks everyone!



(especially Yair)