## PERMUTATIONS AS GENOME REARRANGEMENTS

## SIMON GRÜNING

## 1. Setting the Scene

Definition 1.1. G is a Topological Group if and only if the following are true:

- (1) G is a topological space
- (2) G is Hausdorff
- (3) G satisfies the group axioms
- (4) The maps  $(x,y) \mapsto xy$  and  $x \mapsto x^{-1}$  are continuous

blabla

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