

Introduction

TOPOLOGY

GROUPS

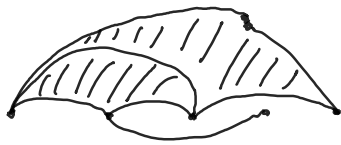


$$\pi_1(X, x_0)$$

simplicial complex



cell complexes



group presentation

$\langle \text{generators} \mid \text{relations} \rangle$

$$D_{2n} = \langle r, s \mid r^n = e, s^2 = e, sr = r^{-1}s \rangle$$