\[ \text{MCG}(S) = \text{Homeo}^+(S) / \text{isotopy} \]

Studying surfaces and their symmetries
\[ B_n = \text{MCG}(D_n) \]

\[ B_n/Z(B_n) \cong \text{subgroup of MCG}(S_{0,n+1}) \]
fixing distinguished puncture

Yvon Verberne - Postdoc
Q: (Farb) Are pseudo-Anosov mapping classes generic with respect to the word metric?

Q: (Brendle-Farb, Kassabov Lanier-Margalit, Margalit) How many elements are required to generate the mapping class group?

Q: (Fried) Which real numbers are stretch factors of pseudo-Anosov mapping classes?
Q: Is there a Nielsen-Thurston classification theorem?

Q: (Mann-Patel) What is the right combinatorial object to associate to a big mapping class group?

Q: When a graph associated to an infinite type surface is hyperbolic, what can we say about its boundary?