The fundamental group of an orbit space.

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We will discuss the main result (without proof) from Armstrong's paper - "Calculating the fundamental group of an orbit space" which gives a way to determine $\pi_1\left(\frac{X}{G}\right)$ where X is a topological space and G is a subgroup of Homeo(X). We will look at some examples.

Pre-requisites :
Definition of fundamental groups.