

## On genus zero pull-backs of Galois covers

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Pulling back a Galois cover  $X \rightarrow \mathbb{P}^1$  of group  $G$  along a cover  $\mathbb{P}^1 \rightarrow \mathbb{P}^1$  yields "most of the time" a new Galois cover of  $\mathbb{P}^1$  with the same group. This operation provides a natural tool for Inverse Galois Theory and induces a pre-order on the set of Galois covers. We will present questions that arise from this double perspective, and some answers.