Andrew Obus* (andrewobus@gmail.com). The Oort conjecture on lifting covers of curves.

The Oort conjecture states that a curve with a cyclic group of automorphisms can always be lifted from characteristic $p$ to characteristic zero. This conjecture was recently proven by Obus, Pop, and Wewers. We give an overview of the proof, and mention some related problems. (Received September 13, 2012)