Taylor Dupuy* (taylor.dupuy@gmail.com). A Torsor of Lifts of The Frobenius (in characteristic zero).

Local sections of the first p-jet space of a variety over a p-adic ring give local lifts of the Frobenius. At least for curves of genus $g \geq 1$ it turns out that p-jet spaces admit the structure of a torsor under a line bundle. (Received September 25, 2012)