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**Dan Abramovich\*** ([abrmovic@math.brown.edu](mailto:abrmovic@math.brown.edu)), Brown University Department of Mathematics, 151 Thayer Street, Providence, RI 02912, and **Michael Temkin**. *Factorization of birational maps for qc schemes in characteristic 0*. Preliminary report.

We generalize the weak factorization theorem for birational maps from varieties to the context of qc schemes. This allows us to prove weak factorization for maps in various categories where there are enough "affinoids" and having a relative GAGA theorem, such as formal, complex analytic, and nonarchimedean spaces. Surprisingly, for complex spaces this approach requires generalizing Serre's GAGA theorem. (Received August 04, 2014)