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Harrison Pugh* (hpugh@math.sunysb.edu), Stony Brook, NY 10032. *Federer-Fleming projections, Rectifiability, and the Plateau Problem.*

I will give an overview of the Federer-Fleming projection theorem, and explain how it can be modified to prove Almgren's analytic criterion for rectifiability. I will also show how it can be applied in the absence of quasi-minimality to prove some recent results on the elliptic minimization problem. (Received February 03, 2016)