Jennifer Balakrishnan* (balakrishnan@maths.ox.ac.uk). Variations on quadratic Chabauty.
We describe variations on the “quadratic Chabauty” method to find integral points on certain elliptic and hyperelliptic curves. In particular, we discuss how to apply the method over quadratic number fields (joint work with Amnon Besser and Steffen Mueller) and how to use it to find rational points on certain bielliptic genus 2 curves (joint work with Netan Dogra). (Received January 19, 2015)