Cristina M Ballantine* (cballant@holycross.edu), Brooke Feigon, Radhika Ganapathy, Janne Kool, Kathrin Maurischat and Amy Wooding. Explicit constructions of Ramanujan Bigraphs.

We construct explicitly an infinite family of Ramanujan graphs which are bipartite and biregular. Our construction starts with the Bruhat-Tits building of an inner form of SU(3,Qp). To make the graphs finite, we take successive quotients by infinitely many discrete co-compact subgroups of decreasing size. (Received September 10, 2016)