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**Andrew T. Swift\*** ([ats0@math.tamu.edu](mailto:ats0@math.tamu.edu)). *Coarse embeddability of Banach spaces into superstable Banach spaces.*

We will show how the methods of Krivine and Maurey and Raynaud can be used to find a necessary condition for a Banach space to be coarsely embeddable into a superstable Banach space. Specifically, a Banach space that coarsely embeds into a superstable Banach space must contain an  $\ell_p$  spreading model for some  $p \in [1, \infty)$ . This implies that not every reflexive Banach spaces is coarsely embeddable into a superstable Banach space. This is joint work with B.M. Braga. (Received March 16, 2017)