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**Jennifer Berg\*** ([jberg@math.utexas.edu](mailto:jberg@math.utexas.edu)). *Brauer Manin obstruction for a family of affine surfaces*. Preliminary report.

Manin showed that the Brauer group of a variety can obstruct the existence of rational points and weak approximation. In order to compute this obstruction, however, explicit representatives of the Brauer classes are necessary. I will discuss recent work on the Brauer Manin obstruction to the existence of integral points for a family of surfaces over the rationals. I will briefly describe the obstruction, and discuss the methods used to obtain the Brauer group for this family. (Received July 29, 2014)