

Frank Morgan* (Frank.Morgan@williams.edu) Department of Mathematics and Statistics, Williams College, Williamstown, MA 01267 *Area-minimizing Surfaces in Cones and Double Bubbles.*

We show that a k -dimensional area-minimizing surface can pass through an acute conical singularity if and only if $k \geq 3$. The larger k , the more acute the conical singularity can be. We'll also discuss some new work on double bubbles.