

1067-14-1889

Elizabeth A. Sell* (esell@millersville.edu), Department of Mathematics, Millersville University, P.O. Box 1002, Millersville, PA 17551-0302. *Some splice quotient double points.*

The splice quotients are an interesting class of normal surface singularities with rational homology sphere links. In general, it can be difficult to determine whether or not a singularity is a splice quotient (an analytic condition). We consider splice quotient deformations of splice quotients of the form $z^2 = x^a + y^b$, and show that in general not all equisingular deformations are splice quotients. (Received September 22, 2010)