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David A. Weinberg* (david.weinberg@ttu.edu), Dept. of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409-1042. *Singular Points of Algebraic Curves*. Preliminary report.

The equivalence relation that will be discussed is that two singular points of algebraic curves are equivalent provided that the exponents of contact of the pro-branches of their Puiseux expansions coincide. It follows from work of Milnor that such an equivalence relation yields a finite classification for each fixed degree. Results obtained by the speaker together with Nicholas Willis will be summarized, and open problems will be described. (Received February 03, 2014)