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Geoffrey Scott* (gscott@math.toronto.edu). *Dirac geometry of folded symplectic and b-symplectic structures.*

The simplest examples of singularities that appear in presymplectic geometry and Poisson geometry are described by folded symplectic forms and b-symplectic forms, respectively. In this talk, I will show how certain techniques and celebrated results from folded and b-symplectic geometry generalize to the context of Dirac geometry, which is a common generalization of both presymplectic and Poisson geometry. (Received September 20, 2016)