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Angela Gibney* (angela.gibney@gmail.com), Department of Mathematics Rutgers University, Hill Center - Busch Campus, 110 Frelinghuysen Road, Piscataway, NJ 08854-8019, and **Prakash Belkale** (belkale@email.unc.edu), Department of Mathematics, 120 E Cameron Avenue, CB #3250, 329 Phillips Hall, Chapel Hill, NC 27599. *On finite generation of the section ring of the determinant line bundle.*

I will discuss joint work, with Prakash Belkale, where we show the section ring for the pair (Bun, D) is finitely generated, for D the determinant of cohomology line bundle on the stack $Bun = Bun_{SL(r)}(C)$ parameterizing principal $SL(r)$ -bundles on a singular stable curve C . I'll define these things, put the result into some historical perspective, and give two applications. (Received February 19, 2018)