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*Hamiltonian loop group spaces and a theorem of Teleman and Woodward*

I will revisit a theorem of Teleman and Woodward that computes the index of the Atiyah-Bott K-theory classes on the moduli space of  $G$ -bundles on a curve. I will describe a perspective on this theorem that is based on Hamiltonian loop group spaces, symplectic geometry, and index theory.