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Charles Frohman* (charles-frohman@uiowa.edu), **Joanna Kania-Bartoszyńska** (jkaniaba@nsf.gov) and **Thang Le** (letu@math.gatech.edu). *The structure of the Kauffman bracket skein algebra of a closed surface at roots of unity.*

Let F be a closed oriented surface and ζ an n^{th} root of unity. The Kauffman bracket skein algebra $K_\zeta(F)$ is a prime, affine algebra of finite rank over its center. If $n \not\equiv 0 \pmod{4}$ the center of $K_\zeta(F)$ is the ring of $SL_2\mathbb{C}$ -characters of the fundamental group of F . If $n \equiv 0 \pmod{4}$ The center is a twisted version of the same ring. We compute the dimension of the algebra over its center. The localized algebra is Frobenius, and we compute the counit. Finally, we show that the skein algebra as a module over its center is the tensor product of two commutative subalgebras associated with pants decompositions of the surface. (Received September 15, 2017)