



ELEMENTARY OPERATORS AND SUBHOMOGENEOUS C^* -ALGEBRAS II

ILJA GOGIĆ¹

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ABSTRACT. Let A be a separable unital C^* -algebra and let Θ_A be the canonical contraction from the Haagerup tensor product of A with itself to the space of completely bounded maps on A . In our previous paper we showed that if A satisfies (a) the lengths of elementary operators on A are uniformly bounded, or (b) the image of Θ_A equals the set of all elementary operators on A , then A is necessarily SFT (subhomogeneous of finite type). In this paper we extend this result; we show that if A satisfies (a) or (b) then the codimensions of 2-primal ideals of A are also finite and uniformly bounded. Using this, we provide an example of a unital separable SFT algebra which does not satisfy (a) nor (b). However, if the primitive spectrum of a unital SFT algebra A is Hausdorff, we show that such an A satisfies (a) and (b).

¹ DEPARTMENT OF MATHEMATICS, UNIVERSITY OF ZAGREB, BIJENIČKA CESTA 30, ZAGREB 10000, CROATIA.

E-mail address: ilja@math.hr

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