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07360 Mexico, D.F., Mexico. *On compactness of commutators and semi-commutators of Toeplitz  
operators on the Bergman space.*

Given a  $C^*$ -subalgebra  $A$  of algebra  $L_\infty(\mathbb{D})$ , denote by  $\mathcal{T}(A)$  the  $C^*$ -algebra generated by all Toeplitz operators with symbols in  $A$  and acting on the Bergman space over the unit disk  $\mathbb{D}$ . We will discuss the compactness properties of commutators and semi-commutators of Toeplitz operators from  $\mathcal{T}(A)$  as well structural properties of  $\mathcal{T}(A)$  and other operator algebras related to the above compactness properties. (Received April 07, 2010)