1023-47-114   **Trieu Le*** (`trieule@buffalo.edu`), 244 Mathematics Building, University at Buffalo, Buffalo, NY. *On The Commutator Ideal of the Toeplitz Algebra on the Bergman Space of the Unit Ball in $\mathbb{C}^n$.*

Let L_a^2 denote the Bergman space of the open unit ball B^n in $\mathbb{C}^n$, for $n \geq 1$. The Toeplitz algebra $\mathfrak{T}$ is the C$^*-$algebra generated by all Toeplitz operators T_f with $f \in L^\infty$. It was proved by Suárez that for $n = 1$, the closed bilateral commutator ideal generated by operators of the form $T_f T_g - T_g T_f$, where $f, g \in L^\infty$, coincides with $\mathfrak{T}$. With a different approach, we can show that for $n \geq 1$, the closed bilateral ideal generated by operators of the above form, where f, g can be required to be continuous on the open unit ball or supported in a nowhere dense set, is also all of $\mathfrak{T}$. (Received August 22, 2006)