ESTIMATES FOR THE CORONA THEOREM ON $H^\infty(D)$

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Abstract. Let $I$ be a proper ideal of $H^\infty(D)$. We prove the corona theorem for infinitely many generators in the algebra $H^\infty(I(D))$. This extends the finite corona results of Mortini, Sasane, and Wick [8]. We also provide the estimates for corona solutions. Moreover, we prove a generalized Wolff’s Ideal Theorem for this sub-algebra.


Keywords and phrases: Corona theorem, Wolff’s theorem, $H^\infty(D)$, ideals.

REFERENCES


