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Mrinal Raghupathi* (mrinalraghupathi@gmail.com) and **Ryan Hamilton**. *The Toeplitz corona problem for algebras of multipliers on a Nevanlinna-Pick space.*

Suppose \mathfrak{A} is an algebra of operators on a Hilbert space H and $A_1, \dots, A_n \in \mathfrak{A}$. If the row operator $[A_1, \dots, A_n] \in B(H^{(n)}, H)$ has a right inverse in $B(H, H^{(n)})$, the Toeplitz corona problem for \mathfrak{A} asks if a right inverse can be found with entries in \mathfrak{A} . When H is a complete Nevanlinna-Pick space and \mathfrak{A} is a weakly-closed algebra of multiplication operators on H , we show that under a stronger hypothesis, the corona problem for \mathfrak{A} has a solution. When \mathfrak{A} is the full multiplier algebra of H , the Toeplitz corona theorems of Arveson, Schubert and Ball-Trent-Vinnikov are obtained. A tangential interpolation result for these algebras is developed in order to solve the Toeplitz corona problem. (Received June 24, 2011)