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Al Boggess and **Andrew Raich*** (araich@uark.edu). *The Complex Green Operator on Quadric Submanifolds.*

The Kohn Laplacian \square_b is one of the fundamental objects in several complex variable, and its inverse (when it exists) is called the complex Green operator. Quadric submanifolds are one of the few classes of manifolds on which we can find an integral formula (or exact expression) for the complex Green operator. Al Boggess and I have been investigating the \square_b -equation on quadrics for the past several years, and in this talk, I will present some surprising calculations in the very nice case that the eigenvalues of the directional Levi forms are nonvanishing. (Received August 26, 2020)