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From the $\overline{\partial}$-Neumann operator to Axler-Zheng Theorem

When studying compactness of Toeplitz and Hankel operators on domains in $\mathbb{C}^n$ we show that the $\overline{\partial}$-Neumann operator plays an important role. We use this approach to prove a version of Axler-Zheng Theorem on a class of smooth bounded pseudoconvex domains. This is joint work with Sonmez Sahutoglu.