1143-32-394 **Siqi Fu*** (sfu@camden.rutgers.edu), Department of Mathematical Sciences, Rutgers University, Camden, NJ 08102, and **Weixia Zhu**. *Spectral stability of the $\bar{\partial}$-Neumann Laplacian.* Preliminary report.

We study spectral stability of the $\bar{\partial}$-Neumann Laplacian when either the operator or the underlying domain is perturbed. In particular, we establish spectral stability of the $\bar{\partial}$-Neumann Laplacian under the Kohn-Nirenberg elliptic regularization and under perturbation for smoothly bounded pseudoconvex domains. (Received August 19, 2018)