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Yue Zhang* (yuezhang@uark.edu), Department of Mathematics, SCEN 416, 1 University of Arkansas, Fayetteville, AR 72701. *A variant of Property (P_{n-1}) on smooth pseudoconvex domains.*

We introduce a variant of Property (P_{n-1}) on smooth pseudoconvex domains in \mathbb{C}^n ($n > 2$) which implies the compactness of the $\bar{\partial}$ -Neumann operator N_{n-1} . Our new Property ($P_{n-1}^\#$) does not depend on the eigenvalues of the complex Hessian of λ in the definition of the original Property (P_{n-1}), indeed only the diagonal entries in the complex Hessian of λ are involved in our definition of Property ($P_{n-1}^\#$). (Received September 16, 2014)