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Yifei Pan and **Yuan Zhang*** (zhangyu@pfw.edu). *Hölder solutions to $\bar{\partial}$ problem on product domains in \mathbf{C}^n .*

In this talk, we study $\bar{\partial}$ problem on product domains in \mathbf{C}^n . Due to an example of Stein which was later verified by Kerzman, there is in general no gain of derivatives phenomenon on product domains. Making use of an integral representation, we show that given a Hölder data, there is a Hölder solution at the same regularity level. (Received September 10, 2019)