1035-32-1530   **Andreas Defant** and **Aaron Zerhusen*** (`zerhusen@math.purdue.edu`). *Local Banach space theory and solutions to the $\bar{\partial}$ equation in infinite dimensions.*

By utilizing ideas from local Banach space theory we extend results of Lempert on ℓ_1 and show local solvability of the $\bar{\partial}$ equation on a certain class of Banach spaces. (Received September 20, 2007)