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jae-seong cho* (cho1@math.purdue.edu), Department of Mathematics, Purdue University, 150 N. University St., West Lafayette, IN 47907. *Sharp Estimates for the $\bar{\partial}$ -Neumann Problem on Regular Coordinate Domains.*

We will consider the parameter ϵ in subelliptic estimates on a class of domains known as regular coordinate domains. We will show that the largest value of ϵ is bounded below the inverse of twice the multiplicity of the the associated ideal. This is a joint work with David W. Catlin. (Received January 30, 2009)