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**Manoj Kummini\*** (nkummini@math.purdue.edu), 150 N University St, West Lafayette, IN 47907-2067, and **Satoshi Murai**, 1677-1 Yoshida, Yamaguchi, 753-8512, Japan. *Regularity of Canonical and Deficiency modules for Monomial ideals.*

We show that the Castelnuovo–Mumford regularity of the canonical or a deficiency module of the quotient of a polynomial ring by a monomial ideal is bounded by its dimension. (Received January 13, 2010)