1046-13-1557　　　　**Lance Bryant*** (`lbryant@math.purdue.edu`), Mathematical Sciences Building, 150 North University Street, West Lafayette, IN 47907. *Goto Numbers in a Numerical Semigroup Ring.*

Let (R, m) be a Cohen-Macaulay local ring with dimension d, Q a parameter ideal of R with integral closure $\bar{Q}$, and $I_k = Q : m^k$. For the case $d \geq 2$, some general results concerning when $I_k \subset \bar{Q}$ are known. However, the one-dimensional case is rather different and more complicated to control. This talk is concerned with when $I_k \subset \bar{Q}$ in a numerical semigroup ring. This serves as a starting point for studying the $d = 1$ case. (Received September 16, 2008)

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