Yoonbok Lee* (leeyb@yonsei.ac.kr), Department of Mathematics, Yonsei University, 134 Shinchon-dong Seodaemun-gu, Seoul, 120-749, South Korea. On the zeros of Epstein zeta functions.
We investigate the zeros of Epstein zeta function associated with a positive definite quadratic form with integral coefficients which corresponds to an imaginary quadratic form with class number bigger than 1. Davenport and Heilbronn, and Voronin proved the presence of its zeros off the critical line. In this talk, we present the improvement of their results. In precise, the number of its zeros in $\sigma_{1}<\Re s<\sigma_{2}, 0<\Im s<T$ is $c T+o(T)$ for $\frac{1}{2}<\sigma_{1}<\sigma_{2}$, and the constant $c=c\left(\sigma_{1}, \sigma_{2}\right)$ is positive for $\sigma_{2}<1$. (Received September 13, 2009)

