1112-06-111 **Tony Shaska*** (shaska@oakland.edu), Rochester, MI 48309. *Theta functions and symmetric weight enumerators for codes over imaginary quadratic fields.*

We study codes over imaginary quadratic fields, their weight enumerators and theta functions. We present new examples of non-equivalent codes over rings of characteristic $p = 2$ and $p = 5$ which have the same theta functions. We also look at a generalization of codes over imaginary quadratic fields, providing examples of non-equivalent pairs with the same theta function for $p = 3$ and $p = 5$. (Received July 24, 2015)