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**Xiang-dong Hou\*** (xhou@math.usf.edu), Department of mathematics, University of South Florida, Tampa, FL 33620. *On the Number of Inequivalent Binary Self-Orthogonal Codes.*

Let  $\Psi_{k,n}$  denote the number of inequivalent binary self-orthogonal  $[n, k]$  codes. We present a method which allows us to compute  $\Psi_{k,n}$  explicitly for a moderate  $k$  and an arbitrary  $n$ . Included in this talk are explicit formulas for  $\Psi_{k,n}$  with  $k \leq 5$ . (Received August 11, 2006)