1005-05-36 **Xiang-dong Hou*** (`xhou@math.usf.edu`), Department of Mathematics, University of South Florida, Tampa, FL 33620-5700. *On the Asymptotic Number of Inequivalent Binary Self-Dual Codes.*

Let Ψ_n be the number of inequivalent self-dual codes in $\mathbb{F}_2^{2n}$. We prove that $\lim_{n\to\infty} \frac{(2n)!}{\tau} 2^{-\frac{1}{2}n(n-1)} \Psi_n = 1$, where $\tau = \prod_{j=1}^{\infty}(1 + 2^{-j}) \approx 2.38423$. (Received January 17, 2005)