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John A Baldwin and **David Shea Vela-Vick*** (shea@math.lsu.edu). *A refinement of the Ozsváth-Szabó contact invariant.*

We present a refinement of the Ozsvath-Szabo contact invariant in Heegaard Floer theory. This invariant, denoted t , takes values in $\mathbb{Z}_{>0} \cup \{\infty\}$, and extends the usual contact invariant in the sense that if $c(Y, \xi) \neq 0$, then $t = \infty$. We further show that if (Y, ξ) is overtwisted, then $t(Y, \xi) = 1$, reflecting the usual vanishing of the Ozsvath-Szabo invariant for such contact structures. In this talk, we will focus on the construction of t and discuss some of its basic properties. (Received September 10, 2014)