

A formula from Losev

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9:04 AM

For $\omega \in \Omega^{n-1}(M^n)$, $f: M \rightarrow \mathbb{R}$,

$$\int_{[f=0]} \omega = \int_{TM \oplus \mathbb{R} \begin{smallmatrix} 1 \\ 1 \end{smallmatrix}} \omega e^{-d(f)\lambda}.$$

more or
less

$$\int_{TM \oplus \mathbb{R} \begin{smallmatrix} 1 \\ 1 \end{smallmatrix}} \omega e^{-d(f)\lambda} = \int \omega e^{-(dF)\lambda - \lambda f}$$

$$= \int \omega d_{[F=0]}(-dF)$$