

The Dehn's lemma states that if a continuous map from a <http://planetmath.org/StandardNB> disk to a 3-manifold $f: D^2 \rightarrow M$ for which $f^{-1}f\partial D^2 = D^2$, then there exists an embedding $g: D^2 \rightarrow M$ such that the restrictions $g|_{\partial}$ and $f|_{\partial}$ are equal.