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Homotopic maps induce isomorphic vector bundles

#Wiki/broken/check

Assume Y is a compact manifold. If $f_0, f_1 : Y \rightarrow X$ are homotopic maps and $E \xrightarrow{\pi} M$ is a vector bundle then

$$f_0^{-1}E \cong_{\text{ManVB}} f_1^{-1}E$$

that is *homotopic maps induce isomorphic vector bundles*.

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