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De Rham-Weil theorem

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Related topic acyclicsheaf
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Let $\mathcal F$ be a sheaf on a topological space X and $\mathcal F^\bullet$ a http://planetmath.org/ResolutionOfASh of $\mathcal F$ by http://planetmath.org/AcyclicSheafacyclic sheaves. Then

$$H^q(X,\mathcal{F}) \simeq H^q(\mathcal{F}^{\bullet}(X)),$$

where $H^q(X, \mathcal{F})$ denotes the q-th sheaf cohomology group of X with coefficients in \mathcal{F} .