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Leray's theorem

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Related topic sheaf

Related topic sheafcohomology Related topic SheafCohomology Let \mathcal{F} be a sheaf on a topological space X and $\mathcal{U} = \{U_i\}$ an open cover of X. If \mathcal{F} is http://planetmath.org/AcyclicSheafacyclic on every of elements of \mathcal{U} , then

$$\check{H}^q(\mathcal{U},\mathcal{F}) = \check{H}^q(X,\mathcal{F}),$$

where $\check{H}^q(\mathcal{U}, \mathcal{F})$ is the q-th http://planetmath.org/CechCohomologyGroup2Cech cohomology group of \mathcal{F} with respect to the open cover \mathcal{U} .

References

[1] Bonavero, Laurent. Cohomology of Line Bundles on Toric Varieties, Vanishing Theorems. Lectures 16-17 from "Summer School 2000: Geometry of Toric Varieties."