2-Proobjects

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Recall that an object A in a topos $\mathcal{E}$ is a Galois object if it is an $Aut(A)$-torsor, and that a Galois topos is an atomic topos generated by its Galois objects. As an aplication of the construction of 2-filtered colimits of categories [1] we derive a theorem of existence of 2-filtered inverse limits of topoi. We show then that every Galois topos has a point.

References

[1] E. J. Dubuc, R. Street, *A construction of 2-filtered bicolimits of categories*, Cahiers de Topologie et Geometrie Differentielle 47 (2006) 83–106.