

**Guričan, Jaroslav**

**Homology theory in the *AST*. III: Comparison with homology theories of Čech and Vietoris.**  
(English) [Zbl 0798.55005](#)

*Commentat. Math. Univ. Carol.* 34, No. 1, 11-22 (1993).

Summary: [For the two preceding parts see *ibid.* 32, No. 1, 75-93 (1991; [Zbl 0735.03032](#)) and 33, No. 2, 353-372 (1992; [Zbl 0761.55004](#)).]

The isomorphism between our homology functor and those of Vietoris and Čech is proved. Introductory results on dimension are proved.

**MSC:**

[55N35](#) Other homology theories in algebraic topology

[20F99](#) Special aspects of infinite or finite groups

**Keywords:**

alternative set theory; set-definable; homology theory; simplex; complex; Sd-IS of groups