Saunders Mac Lane

Redirected from "Saunders MacLane".

With "Sammy" Eilenberg, Saunders Mac Lane was one of the original pioneers of category theory. He initially worked on it as a language to enable 'natural transformations' to be described in a 'natural' way, and also developed, again with Eilenberg many of the strong links with group theory and the cohomology of groups. He was the author of one of the key books on homological algebra, see below.

With Henry Whitehead he gave the first algebraic description of the homotopy 2-type of a space.

- English Wikipedia entry
- MacTutor biography
- Colin McLarty, *The Last Mathematician from Hilbert's Göttingen: Saunders Mac Lane as Philosopher of Mathematics*,Brit. J. Phil. Sci. 2007 (pdf)

1. Writings

- *Categories for the Working Mathematician*-
  on category theory
- (with Ieke Moerdijk) *Sheaves in Geometry and Logic*
  on sheaf and topos theory
- *Homology*, number 114 in Grundlehren, Springer 1967 (pdf)
  on homological algebra
- *Mathematics form and function*, Springer 1986
  on philosophy of mathematics
- *Selected Papers*. Edited by I. Kaplansky. Springer 1979
- (with J. H. C. Whitehead) *On the 3-type of a complex*, Proc. Nat. Acad. Sci. U.S.A., 36, (1950), 41 – 48 (N.B. Their 3-type is the modern 2-type.)
  on homotopy 3-types
- *Geometrical Mechanics*, Lectures 1968 (web)
  on classical mechanics

category: people

Last revised on March 8, 2019 at 09:08:51. See the history of this page for a list of all contributions to it.