UDC 512.543+514.74

MATEMATICHESKIE TRUDY
2003, V. 6, N 1, 182–201

THE NUMBER OF NONEQUIVALENT CYCLIC COVERINGS OVER A SEIFERT FIBER SPACE

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This article is devoted to the problem of finding the number of nonequivalent cyclic n-sheeted coverings over a Seifert fiber space without exceptional fibers. We obtain exact formulas for determining the number of nonequivalent cyclic n-sheeted coverings over an arbitrary manifold that belongs to the above class.

Key words and phrases: fundamental group, group of covering transformations, regular covering, cyclic covering, Seifert fiber space, Dirichlet product, multiplicative function.

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Received
February 28, 2002

Translated into English:
Siberian Advances in Mathematics, V. 14, N 1, 66–83 (2004).