Lin, Zhiming
Surfaces with $\chi = 5, K^2 = 9$ and a canonical involution. (English) \textit{Zbl 1423.14235}

Summary: In this paper, we classify the minimal surfaces of general type with $\chi = 5, K^2 = 9$ whose canonical map is composed with an involution. We obtain 6 families, whose dimensions in the moduli space are 28, 27, 33, 32, 31, and 32, respectively. Among them, the family of surfaces having a genus 2 fibration forms an irreducible component of $\mathcal{M}_{\chi=5,K^2=9}$.

MSC:
14J29 Surfaces of general type

Keywords:
canonical involution; classification; surfaces of general type

Full Text: DOI

References:


This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.