

The Lower Algebraic K -theory of Split Three-Dimensional Crystallographic Groups

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Abstract. We compute the lower algebraic K -theory of split three-dimensional crystallographic groups. There are 73 such crystallographic groups in all, up to isomorphism, representing a third of the total number of three-dimensional crystallographic groups. I will attempt to sketch part of the classification, describe the classifying spaces that are used in the computation, and indicate how it is carried out in a representative example. (Joint work with Ivonne Ortiz.)