

**Classification of topological manifolds by the Euler characteristic and the
K-theory ranks of C^* -algebras**

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ABSTRACT. We consider classification of homeomorphism classes of connected sums of closed surfaces by the Euler characteristic and the K-theory ranks of C^* -algebras. We next consider classification of those of connected sums of higher dimensional, closed topological manifolds by the Euler characteristic and the K-theory ranks of C^* -algebras.