On the Farrell-Jones conjecture for algebraic $K$-theory of spaces: the Farrell-Hsiang method.

Zbl 1504.19002
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Summary: We prove the Farrell-Jones conjecture for algebraic $K$-theory of spaces for virtually poly-$Z$-groups. For this, we transfer the “Farrell-Hsiang method” from the linear case to categories of equivariant, controlled retractive spaces.

MSC:
19D10 Algebraic $K$-theory of spaces
18F25 Algebraic $K$-theory and $L$-theory (category-theoretic aspects)
57Q10 Simple homotopy type, Whitehead torsion, Reidemeister-Franz torsion, etc.

Keywords:
algebraic $K$-theory of spaces; Farrell-Jones conjecture; poly-$Z$-groups

Full Text: DOI arXiv

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