

The set of flexible nondegenerate polyhedra of a prescribed combinatorial structure is not always algebraic

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We construct an example of a closed nondegenerate nonflexible polyhedron P in Euclidean 3-space that is the limit of a sequence of nondegenerate flexible polyhedra each of which is combinatorially equivalent to P . This implies that the set of flexible nondegenerate polyhedra combinatorially equivalent to P is not algebraic.