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Rationally elliptic toric varieties. (English) Zbl 07394487

Summary: We give a characterization of all complete smooth toric varieties whose rational homotopy is of elliptic type. All such toric varieties of complex dimension not greater than three are explicitly described.

MSC:
14M25 Toric varieties, Newton polyhedra, Okounkov bodies
52B20 Lattice polytopes in convex geometry (including relations with commutative algebra and algebraic geometry)
55P62 Rational homotopy theory
55Q52 Homotopy groups of special spaces

Keywords:
complex toric variety; rational homotopy; elliptic space

Full Text: DOI

References:


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