The vanishing of the simplicial volume and the Euler characteristic

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Abstract: A well-known open question of Gromov asks whether the vanishing of the simplicial volume of an aspherical manifold implies the vanishing of its Euler characteristic. In this talk, I will discuss several approaches to relate these two fundamental invariants and present some recent partial results in connection with Gromov's question.
This is based on joint work with C. Löh and M. Moraschini.