Stable integral and foliated simplicial volume

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Abstract: A famous open question by Gromov asks the following: *Take a closed connected oriented aspherical manifold. If its simplicial volume vanishes, does its Euler characteristic vanish as well?*
Motivated by this question, we introduce different variants of the classical simplicial volume and explain how they can help tackle Gromov's question. We explore their relations with each other and with other topological invariants. We also present an overview of the current state of research around them.