

A vanishing theorem for relative simplicial volume

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Abstract: One of the strongest vanishing results for simplicial volume of closed manifolds is in the presence of amenable covers. We establish a relative version for manifolds with π_1 -injective boundary. To do so, we follow the recent approach by Löh and Sauer via classifying spaces for families of subgroups. This is joint work with Clara Löh and Marco Moraschini.