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# HYPERBOLIC GROUPS AND SPHERICAL MINIMAL VARIETIES

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I will discuss a recent construction of minimal varieties in quotients of the Hilbert sphere. This construction is related to a topological invariant introduced by Besson-Courtois-Gallot called the spherical volume, and combines tools from geometric measure theory and geometric group theory. It can be applied to find new examples of non-compact minimal varieties inside the Hilbert sphere minus a discrete subset.