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Xiaodong Wang* (xwang@math.msu.edu), Well Hall D202, 619 Red Cedar RD, East Lansing, MI 48824. *On the size of compact Riemannian manifolds with nonnegative Ricci curvature and convex boundary.*

Given a compact Riemannian manifold with nonnegative Ricci curvature and convex boundary it is interesting to estimate its size in terms of the volume, the area of its boundary etc. I will discuss some open problems and present some partial results. (Received September 20, 2017)