

On the asymptotic Dirichlet problem

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The Green-Wu conjecture asks if there exists a non trivial harmonic function on any complete manifolds with sectional curvature bounded from above by a negative constant. The asymptotic Dirichlet problem (ADP) was introduced in an attempt to solve this conjecture. Despite being unsuccessful, ADP raised some interesting questions regarding its solvability. In this talk, I will review my works on the asymptotic Dirichlet problem and closely related problems.

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