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Boundary Rigidity with nonpositive curvature

In general, boundary rigidity refers to the question of whether the metric on a manifold is determined by some data on the boundary. We will focus on results involving the scattering data of the region; for each point and inward direction on the boundary, it associates the exit point and direction of the corresponding unit speed geodesic. We will discuss conditions on spaces of nonpositive curvature where we have scattering rigidity or lens rigidity, where the boundary data considered is the scattering data plus the length of each geodesic.