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Quasiconvex Subgroups of Relatively Hyperbolic groups

After reviewing Bowditch's approach to relatively hyperbolic groups, I will explain a combination theorem of relatively hyperbolic groups along malnormal, quasiconvex subgroups. As an application, I will describe a criterion for detecting quasiconvexity of a subgroup of a relatively hyperbolic group that splits as a graph of groups. This is joint work with D. Wise.