Title: Negative curvature and the geometry of group actions
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Abstract: Broadly speaking, geometric group theory is the study of groups via their actions on metric spaces. The methods of geometric group theory are most fruitful when extra conditions are placed on either the metric space or the action or both. I will focus on metric spaces which are “negatively curved” in an appropriate sense, and give some examples of the kind of results which can be deduced from the fact that a group has a suitable action on such a space.