

MARTIN COMPACTIFICATIONS OF AFFINE BUILDINGS: GROUPS, GEOMETRY AND CLASSICAL COMPACTIFICATIONS I

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ABSTRACT

In this talk, the basic notions about affine buildings will be introduced; these spaces are the cell complexes attached to non-archimedean Lie groups to understand them better. Then, some classical procedures to compactify these spaces will be described, in analogy with non-compact Riemannian spaces. The talk will be the opportunity to explain in which sense Martin compactifications provide a natural, analytic, way to obtain compactifications that were obtained more artificially before.

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