Combing Euclidean buildings

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Abstract

For an arbitrary Euclidean building we define a certain combing, which satisfies the "fellow traveller property" and admits a recursive definition. Using this combing we prove that any group acting freely, cocompactly and by order preserving automorphisms on a Euclidean building of one of the types A_n, B_n, C_n admits a biautomatic structure.

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