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On a subgroup of finite index in the n -dimensional discrete group of affine transformations.

(Russian) [Zbl 0722.20035](#)

Mat. Issled. 103, 43-51 (1988).

It is proved that if H is a subgroup of finite index in the group of affine motions G , then for G to be n -dimensional and discrete it is necessary and sufficient for H to be n -dimensional and discrete.

Reviewer: [K.Riives \(Tartu\)](#)

MSC:

[20H15](#) Other geometric groups, including crystallographic groups

[20E07](#) Subgroup theorems; subgroup growth

[57S30](#) Discontinuous groups of transformations

[22E40](#) Discrete subgroups of Lie groups

[51F15](#) Reflection groups, reflection geometries

Keywords:

[subgroup of finite index](#); [group of affine motions](#)

Full Text: [EuDML](#)