## THE SPACE OF SUBGROUPS OF A COUNTABLE ABELIAN GROUP

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3rd Graduate Colloquium, Bern, January 24 - 25, 2008

ABSTRACT. Let G be a group. We identify the set of all subsets of G with the product space  $\{0,1\}^G$ . The set of all subgroups of G is endowed with the induced topology.

We give a complete topological description of such space when G is an abelian countable group.

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