## I.V. Protasov Remarks on extremally disconnected semitopological groups

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**Abstract:** Answering recent question of A.V. Arhangel'skii we construct in ZFC an extremally disconnected semitopological group with continuous inverse having no open Abelian subgroups.

**Keywords:** extremally disconnected and maximal spaces, semitopological group, Stone-Čech compactification **AMS Subject Classification:** Primary 54H11; Secondary 54C05, 54G15