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Peter Plaumann* (peter.plaumann@yahoo.com) and **Wolfgang Herfort**. *Boolean and Profinite Loops*.

We investigate boolean loops, i.e., compact totally disconnected loops. When such a loop K is describable by a *loop folder* (G, H, K) with G a profinite group, H a closed subgroup and K a closed transversal in G for H^g for every $g \in G$ and with G topologically generated by K , we provide sufficient conditions for K being a *profinite* loop – the projective limit of finite loops. (Received September 05, 2010)