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## AN HFD GROUP IN THE SOLOVAY MODEL

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In the model obtained by forcing over a model of CH with the measure algebra on  $2^\kappa$ , there is a HFD subset of  $2^{\omega_1}$  which is a countably compact topological group without non-trivial convergent sequences. Thus a selective ultrafilter is not needed to construct a countably compact group without non-trivial convergent sequences, answering a question of Tomita.

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