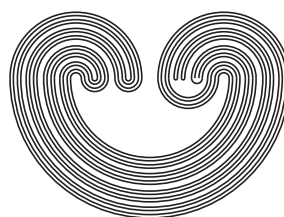


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by

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ABSTRACT. We give an another proof of Fleissner's full set lemma using elementary submodels and show that a minor change of C. Navy's space is a non-normal paralindelöf screenable space. This answers a question of S. Watson.

1. INTRODUCTION

Are regular paralindelöf spaces paracompact? This old question was motivated by Michael's theorem [5] that regular σ -paracompact spaces are paracompact. A counterexample was given by C. Navy [6] in 1981. She constructed a normal paralindelöf space which is not collectionwise normal. Her space is an application of Bing's example G [1] and a modification of an example by Fleissner [3] which is a σ -paralindelöf non-paracompact space. In this paper, we show that a minor change of Navy's space answers a question of S. Watson [7]: Is there a non-normal paralindelöf screenable space? Since our example is a very simple change of it, it is a little strange that it answers the question unanswered for many years. At present, the main open problem on paralindelöf spaces is: Are regular paralindelöf spaces countably paracompact? Unfortunately, our example is not a counterexample. In §3, we prove a proposition to show that our space is not normal. It is based on the idea of the proofs that

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