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On the product of a compact space with an hereditarily absolutely countably compact space

Comment.Math.Univ.Carolinae 38,3 (1997) 557-562.

Abstract: We show that the product of a compact, sequential T_2 space with an hereditarily absolutely countably compact T_3 space is hereditarily absolutely countably compact, and further that the product of a compact T_2 space of countable tightness with an hereditarily absolutely countably compact ω -bounded T_3 space is hereditarily absolutely countably compact.

Keywords: compact, countably compact, absolutely countably compact, hereditarily absolutely countably compact, ω -bounded, countable tightness, sequential space

AMS Subject Classification: 54D20, 54B10, 54D55