

**Beshimov, Ruzinazar B.; Mamadaliev, Nodirbek K.**

**Some cardinal properties of stratifiable spaces and the space of linked systems with compact elements.** (English) [Zbl 1310.54002](#)

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The authors prove some equalities and inequalities for cardinal functions on stratifiable spaces and on spaces of linked systems.

The first one adds equality of density and  $\pi$ -network weight to a list of coinciding cardinal functions for stratifiable spaces. However the proof of this equality is universally valid.

Other results deal with  $\pi$ -weight,  $\pi$ -character and (pre-)calibers of the space of linked systems with compact elements.

Reviewer: [K. P. Hart \(Delft\)](#)

**MSC:**

[54A25](#) Cardinality properties (cardinal functions and inequalities, discrete subsets)

[54D80](#) Special constructions of topological spaces (spaces of ultrafilters, etc.)

[54E20](#) Stratifiable spaces, cosmic spaces, etc.

**Keywords:**

[stratifiable space](#); [linked system](#); [superextension](#); [cardinal function](#)

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