

Kalinin, V. V.

On subspaces of a vector space. (Russian) [Zbl 0553.46004](#)
Veroyatn. Metody Kibern. 19, 27-29 (1983).

Let V be a left vector space over a field. Necessary and sufficient conditions are presented for a class \mathcal{L} of subspaces of V to be the class of all U -closed subspaces for certain total subspace U of the conjugated space V^* . Necessary conditions for the case of a Hilbert space are also obtained.

Reviewer: [Z.G.Gorgadze](#)

MSC:

[46A20](#) Duality theory for topological vector spaces

[46S10](#) Functional analysis over fields other than \mathbb{R} or \mathbb{C} or the quaternions; non-Archimedean functional analysis

Keywords:

left vector space over a field

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